



SZABIST
UNIVERSITY
Islamabad Campus

PROSPECTUS 2025-26



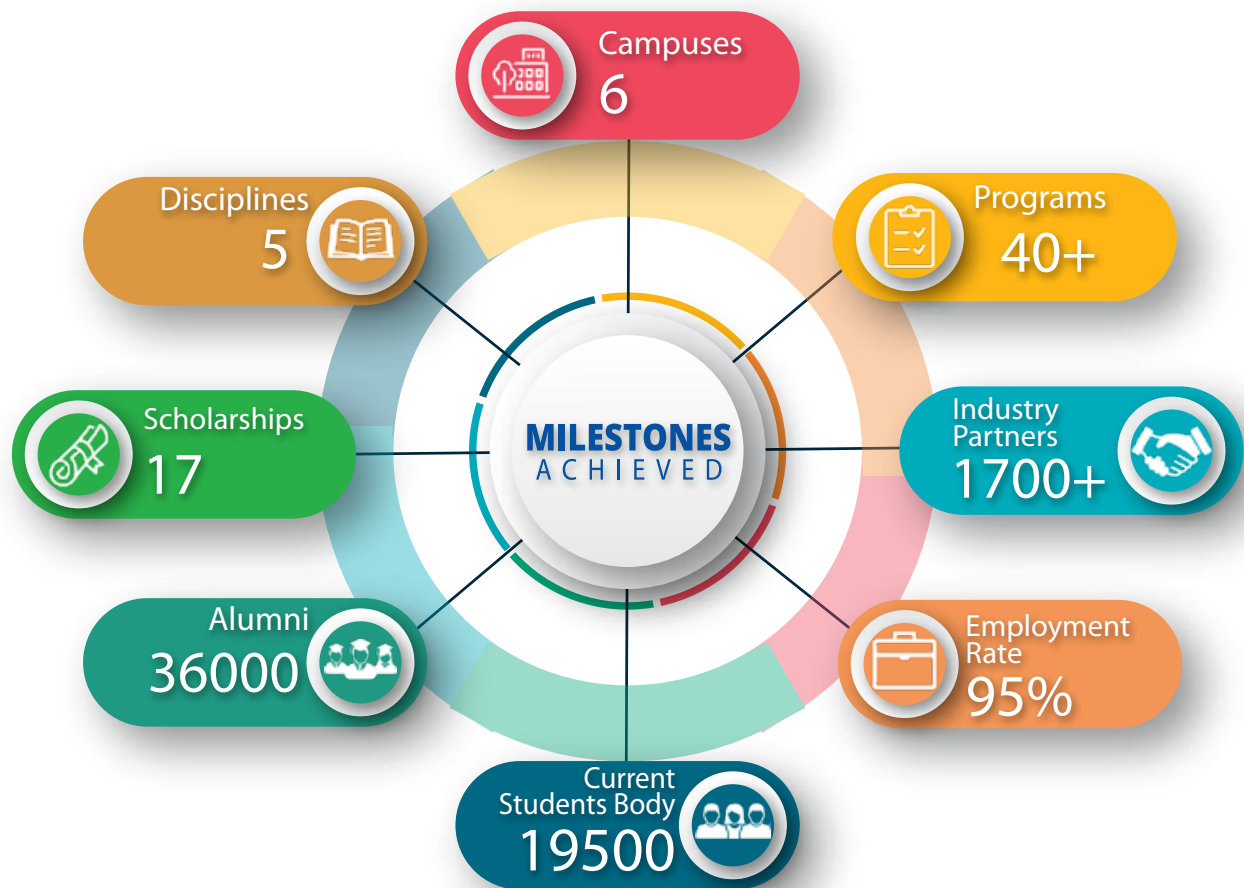
PEOPLE
MAKE THE
EXPERIENCE



WE SEE A
LEADER
IN YOU



SZABIST University at a glance



SHAHEED ZULFIKAR ALI BHUTTO INSTITUTE OF SCIENCE & TECHNOLOGY UNIVERSITY

THE VISION

SZABIST aims to be a globally recognized institute for excellence in education, research, development, and distinction in service.

THE MISSION

SZABIST is committed to produce highly qualified professionals to:

- Meet national and global contemporary needs;
- Conduct cutting edge research and development;
- Provide hi-tech scientific and technological expertise;
- Meet current and future socio-economic challenges;
- Meet global citizenship responsibility.

CONTENTS

INTRODUCTION

01

Programs & Curricula
Admission Requirements
Admission Test Alternates
Transfer Policy
Financial Assistance

LIFE AT SZABIST University

14

Video Conferencing
Conferences/Forums/Seminars/Guest Lectures
Professional Development Courses
Classrooms/Labs/Libraries
Research Committee (RC)
Doctoral Committee (DC)
Board of Advanced Studies and Research (BASR)
Academic Council
Office of Research Innovation and Commercialization (ORIC)
Data Center
Quality Enhancement Cell (QEC)
ZAB FM
Newsletters
Student Support Services
SZABIST Student Council (SSC) & Student Societies
SZABIST Student Career Services
University Advancement & Alumni (DUA&A)
External Relations and Financial Assistance (ERFA)
ZABSolutions
Research, Training, and Linkages (RTL)
National and International Linkages and Collaborations

FACULTY OF MANAGEMENT SCIENCES

23

Bachelor of Business Administration (BBA)
BS Business Analytics (BSBA)
BS Accounting & Finance (BS A&F)
BS Accounting & Finance (BS A&F 2.5 Years)
Master of Business Administration (MBA)
CILT (UK) Level 5 Professional Diploma in Logistic & Transport
Executive Master of Business Administration (EMBA)
Professional Master of Business Administration (PMBA)
Masters of Human Resource Management (MHRM)
Master of Project Management (MPM)
MS Project Management (MS PM)
MS Management Science (MS MS)
MS Business Analytics (MSBA)
PhD Management Science (PhD MS)

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

46

DEPARTMENT OF COMPUTING

BS Computer Science (BS CS)
BS Software Engineering (BS SE)
MS Computer Science (MS CS)

CONTENTS

MS Cyber Security (MS CYS)
PhD Computing (PhD CS)

DEPARTMENT OF ROBOTICS AND ARTIFICIAL INTELLIGENCE

57

BS Artificial Intelligence (BS AI)
MS Data Science (MS DSc)

FACULTY OF EDUCATION & SOCIAL SCIENCES

64

DEPARTMENT OF SOCIAL SCIENCES

BS Social Sciences (BSSS)
BS Psychology (BS PSY)
MS Social Sciences (MSSS)
MS Development Studies (MS DS)
MS Clinical Psychology (MS CLPsy)
MS Sociology (MS Socio)
PhD Psychology (PhD Psy)

FACULTY OF MEDIA SCIENCES

76

Bachelor of Media Science (BMS)
MS Media Sciences

ACADEMIC CALENDAR 2025-26

81

Fall 2025
Spring 2026

CAMPUS WISE PROGRAMS OFFERING

84

Programs Offering at Different Campuses of SZABIST Univeristy

SHAHEED ZULFIKAR ALI BHUTTO



January 5, 1928 - April 4, 1979
Former Prime Minister of Pakistan

"We will give science and technology requirements the highest priority and our attention. To implement any program of scientific and technological development, the country needs to train scientific manpower. In this, the schools, colleges and universities have to play their role. I desire that vast number of people of Pakistan should acquire technological skills. I want first-class science in Pakistan because nothing less is acceptable. And I wish Pakistan to be increasingly self-reliant in all aspects of technology."

Address at the Inauguration Ceremony of Karachi Nuclear Power Plant, Karachi, Pakistan, November 28, 1972.

SHAHEED MOHTARMA BENAZIR BHUTTO



June 21, 1953 - December 27, 2007
Former Prime Minister of Pakistan,
Founding Chancellor SZABIST University

"Technology and Communication have changed our world and are influencing a global culture. The ability to google information from anywhere in the world puts technology into the hands of even the most isolated rural communities in the developing world. The more people learn, the more they want to learn. The more they interact, the less likely they will be to fear the unknown. Just as democracy and educational exchange promote peace, the free flow of modern technology and communication promote peace."

Reconciliation: Islam, Democracy and the West, 2008.

CHANCELLOR'S MESSAGE



I welcome you to join Shaheed Zulfikar Ali Bhutto Institute of Science & Technology (SZABIST) University, one of the most prestigious higher education institutions of Pakistan.

At SZABIST University, we believe that innovative thoughts and high ideals teach the values of hard work, creativity and continuous learning. We prepare our students for professional careers in a wide variety of programs including Management, Computer, Social and Media Sciences, Mechatronic Engineering, Biosciences, Education, Public Health and Law. The curriculum of each traditional and emerging program is approved by the Higher Education Commission (HEC), Pakistan and is taught by highly qualified and competent faculty members.

To achieve the mission of our founding Chancellor Shaheed Mohtarma Benazir Bhutto of providing opportunity for high quality tertiary education and research to the youth of Pakistan, SZABIST University has a presence in Karachi, Islamabad, Larkana, Hyderabad, Ghara and an overseas campus in Dubai, UAE.

At SZABIST University, you will become part of a community that believes research is an integral part of academic excellence. We encourage participation in research and extra-curricular activities enabling our students to realize and nurture their true intellectual and professional potential.

SZABIST University also offers numerous scholarships and financial assistance to make education accessible and affordable for all of its students. In order to augment students' learning experience and continuously improve the standard of education, the Institutional Research Department/Quality Enhancement Cell periodically assesses all programs to enhance the quality of education being imparted.

SZABIST University is investing considerable resources for renovation and upgradation of its infrastructure and acquisition of additional physical facilities for its campuses. A "Graduate Research" is also being established to fulfill emerging research and academic requirements.

As I welcome the new students, I encourage them to strive for excellence and while they equip themselves with marketable skills, they should actively work to promote the values of a tolerant, inclusive and pluralistic society.

The motto of SZABIST University is to provide students the opportunity to experience university life in a way that helps them to discover themselves whilst focusing on their professional goals. So I wish you success in your years at SZABIST University.

Dr. Azra Fazal Pechuho
Chancellor
SZABIST University

PRESIDENT'S MESSAGE



It is my pleasure to welcome prospective students to Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST) University, a tertiary education institute known for its high quality and broad range of undergraduate and postgraduate programs and premium learning environment. SZABIST University believes in encouraging students to discover their talent and strengths and achieve their educational, professional, and personal aspirations.

Over the past 30 years, SZABIST's national and international market reputation has been significantly enhanced. This is evident from the increased enrollment of about 19,500 students in its six Campuses-Karachi, Larkana, Hyderabad, Ghara, Islamabad and Dubai (UAE).

SZABIST University guided by the vision of its Founding Chancellor, Shaheed Mohtarma Benazir Bhutto, is today a leading higher education institution for the youth of Pakistan aspiring for a high quality, relevant education. Our diversified academic portfolio offers a range of courses in 15 Bachelors, 16 Masters and 5 Doctoral level programs in the field of Management, Computing, Social Sciences, Media, Engineering, Biosciences, Public Health, Education and Law. This prospectus provides you with comprehensive information about our programs. The university, in compliance with the requirements of Higher Education Commission and Accreditation Councils, has developed curricula which not only relates to prevailing market demand but also prepares students with the knowledge and skills for the future needs of Pakistan's growing economy.

We are proud of our competent faculty and professionals who teach according to rigorous academic standards, evolving market requirements and provide a supportive environment for personal development. In addition to a wide spectrum of disciplines as presented in this Prospectus, SZABIST University also offers exciting opportunities for co-curricular activities. Our Student Societies organize debates, drama, sports competitions, guest speaker sessions, workshops, and build networks with the Alumni and renowned companies for assistance in job placements.

Moreover, SZABIST University was awarded 94% for its Quality Enhancement processes. Quality assurance measures are rigorously applied through tools such as Program Self-Assessment Reports, feedback of relevant stakeholders, publications and fulfilling documentation requirements of the regulatory authorities.

We hope you will become part of the SZABIST community of students and graduates and ultimately the global network of SZABIST alumni.

Shahnaz Wazir Ali
President
SZABIST University

VICE PRESIDENT'S (ACADEMICS) MESSAGE



A great leader Mr. Nelson Mandela said: "Education is the most powerful weapon which you can use to change the world."

SZABIST University has seen exponential growth in its programs, students, and physical infrastructure since its inception in 1995. This could be possible with the full support of its Management, especially of its worthy Chancellor, Dr. Azra Fazal Pechuho.

The whole purpose of education is to create "Analytical Minds". As a responsible institution, we just don't believe in classroom studies but believe in complete personality development. We, therefore, regularly conduct co-curricular and extracurricular activities through our various students' societies. We aim to prepare our students to be useful to society.

SZABIST University now has six campuses in Karachi, Islamabad, Larkana, Hyderabad, Gharo, and Dubai. We offer programs ranging from BS to PhD, in diversified disciplines such as Computer Science, Artificial Intelligence, Management Sciences, Social Sciences, Media Sciences, Education, Mechatronic Engineering, Biosciences, Biotechnology, Public Health & LLB (International Program from University of London).

SZABIST University programs comply with HEC recommended course plans and are accredited by regulatory bodies such as NBEAC, NCEAC, PEC, NACTE, and CIEC. The learning outcomes of the programs ensure to create critical & creative thinking, acquire problem-solving skills, and professionally handle all pedagogical tools. We are fully aware that a University without Research is like a "Body" without a "Soul"; therefore, we emphasize research activities at levels in our programs.

Finally, I thank all the newcomers for choosing SZABIST University for their academic pursuits and wish them a happy stay during the entire period of their course of studies. I expect, as SZABISTian, you will show a high level of maturity through your conduct and actions.

Prof. Dr. M. Altaf Mukati
Vice President (Academics)
SZABIST University

VICE PRESIDENT DEVELOPMENT AND FINANCE MESSAGE



Welcome to Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST) University – a distinguished institution founded by Shaheed Mohtarma Benazir Bhutto and thriving under the visionary leadership of our Chancellor Dr. Azra Fazal Pechuho. SZABIST stands at the forefront of higher education in Pakistan, renowned for producing graduates who are prepared to excel in a rapidly evolving global landscape.

At SZABIST, we are dedicated to nurturing not only academic excellence but also creativity, ethical values, and holistic personnel growth. Our campus, comprehensive facilities and vibrant academic community provides an ideal environment for learning, innovation and discovery.

As a SZABIST student you will have access to a wide array of services, resources and opportunities. From cutting - edge research projects and professional development programs to seminars, workshops, and cultural festivals - every aspect of campus life is designed to enrich your educational experience and prepare you for success.

We encourage you to get involved, make the most of your time here, and take advantage of everything SZABIST has to offer. By actively participating in academics and extracurricular activities, you will develop the knowledge, skills and confidence needed to become a leader in your chosen field- whether in Pakistan or abroad.

We look forward to welcoming you to the SZABIST family and supporting you and your journey to a bright and fulfilling future.

Your future begins here. Discover your potential at the SZABIST University.

Nasreen Haque
Vice President (Development and Finance)
SZABIST University

VICE PRESIDENT'S (ADMINISTRATION) MESSAGE



I am delighted to welcome you to Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST) University. At SZABIST University you will become part of a strong and supportive community that values academic excellence and diversity.

The unfailing dedication and vision of Shaheed Mohtarma Benazir Bhutto has led SZABIST University to grow into an exceptionally well established and well reputed institution. Today SZABIST has developed into a strong multidisciplinary institution with campuses in Karachi, Hyderabad, Larkana, Ghara, Islamabad and Dubai.

Over the years, Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST) University has excelled in the field of education and has produced some of the most well qualified and outstanding graduates.

We at SZABIST University are dedicated not just to the purpose of education and learning, but also to assisting and guiding students to adjust to university life and to discover their skills and talents. We encourage students to promote a campus environment that is respectful, supportive and safe.

SZABIST University is truly proud of the role students play in the life of the institution and it is hoped that you will also play an important part.

It is hoped that the Prospectus 2025 will serve as a useful guide in planning out your academic journey and that each of you have a well learning and fruitful experience here at SZABIST University.
With best wishes

Imtiaz Kazi
Vice President Administration
SZABIST University

HEAD OF CAMPUS MESSAGE



I welcome you to SZABIST University, Islamabad Campus, which has made great progress and has become one of the leading educational institutions of higher learning. SZABIST University remains affordable for its students, hailing from socio-economically diverse cadres of society, while ensuring all standards of educational process being met effectively. Such an arrangement has shaped a classic top-notch Pakistani culture at all campuses of SZABIST University giving it an edge over other educational institutions of the sort.

In addition to excelling in academic standards, students' active participation in socio-cultural activities of high canons such as tree plantation, blood donation, youth awareness,

community service campaigns/drives/projects and the like nurture exceptional values of social importance and imbibe a high sense of social and civic responsibility among the youth. The university, energized by its distinguished faculty and strengthened by its brilliant students, now stands in the highest echelons of education in the country and strives to forge new paths for a brighter tomorrow of Pakistan.

Following the right track of education where personality development and character building go hand in hand with academic excellence, the university has developed an appropriate environment spearheaded by its distinguished faculty, capable management, and talented students. SZABIST University family—the management, the faculty and the students, all are conscious of their coordinated role, being equal stakeholders in the entire educational process at the campus. We are also proud of our alumni who are actively operational in the corporate world, realizing the true mission of SZABIST University. The laurels and the good word they bring us further our innovative plans of future expansion and improvement.

We at SZABIST University have made it possible through our motto of quality education at affordable cost for all. We welcome students from varied backgrounds and faraway places like GB, AJK, Baluchistan & KPK to present a united Pakistani community of students, engaged in a ceaseless endeavour to set competitive educational standards and seek unprecedented horizons in higher education to stimulate and lead the industrial transformation of the country.

This prospectus provides you with comprehensive information about our programs. We hope that you will become part of the SZABIST University, Islamabad Campus student community for a fruitful, self-fulfilling, and productive stay at SZABIST University.

Khusro Pervaiz Khan
Head of Islamabad Campus
SZABIST University

INTRODUCTION

SZABIST University is proud to offer quality education in the areas that are crucial for Pakistan's socio-economic development. It was established as a Degree Awarding Institute (DAI) in the year 1995 through the Legislative Act of Sindh Assembly and chartered as University by Sindh Assembly through Sindh Act No. XIX of 2023. It is ranked as one of the most reputed universities by the Higher Education Commission (HEC) of Pakistan and the Chartered Inspection and Evaluation Committee (CIEC).

SZABIST University comprises six campuses located in Karachi, Hyderabad, Larkana, Islamabad, Dubai (UAE), and Ghara with a diverse student population of approximately 19,500. Collectively, over 36,000 talented graduates have been proudly awarded degrees by all campuses of SZABIST University. Our alumni are sought by national and multinational organizations and hold key positions in several reputable firms. All programs of SZABIST University are conducted under strict compliance of the relevant regulatory bodies such as NBEAC, NCEAC, NACTE, PEC and KHDA Dubai (UAE).

The university offers undergraduate, graduate and post graduate degrees in 5 different disciplines: Faculty of Management Sciences, Faculty of Computing and Engineering Sciences, Faculty of Media Sciences, Faculty of Education and Social Sciences, and Faculty of Life Sciences. Additionally, SZABIST University offers LLB program, CertHE (Law), and BABS program as external programs in affiliation with University of London and Coventry University, UK, respectively. Moreover, through multiple student societies and extra-curricular activities the University instills leadership skills, teamwork, ethical and societal values in students.

Understanding the situation of the country, SZABIST university has always encouraged deserving candidates to pursue quality education through need-based financial scholarship irrespective of their race, ethnicity, and gender. Employees of SZABIST University also enjoy educational benefits that enrich their work experience.

Further, SZABIST University is a registered member of the international and national associations including: The Association to Advance Collegiate Schools of Business (AACSB), Singapore; The Chartered Institute of Logistics and Transport (CILT), UK; Association of Chartered Certified Accountants (ACCA); Management Association of Pakistan (MAP), Karachi; Marketing Association of Pakistan (MAP), Karachi; and the Organization of Pakistani Entrepreneurs of North America (OPEN). Furthermore, SZABIST University has signed MoUs and MoAs with various reputable and distinguished organizations and institutions such as the University of London, UK; Coventry University, UK; National Commission for Human Rights; Marketing Now; and Meezan Bank.

SZABIST University, Islamabad campus is housed in a purpose-built edifice located in H-8/4 Islamabad. This sector is reserved for educational institutions of the Federal Capital. Hence, it is surrounded by quality institutions including Roots college, OPF Boys College, Shifa College of Medicine, Federal Board of Intermediate & Secondary Education, Shaikh Zaid International Academy, Lahore Grammar School, Beaconhouse School, and The City School. SZABIST University is just at a walking distance from the main Express Way and Metro Bus Stop that connects Rawalpindi and Islamabad. It shares a border with Bait-ul-Mal, Government Post Graduate Commerce College, Federal Judicial Academy and another with Shifa Medical College & Hospital. Designed in accordance with on-site instructions of Mohtarama Benazir Bhutto Shaheed, the campus has fulfilled her academic dreams. It is just fifteen minutes' drive from various localities of Islamabad & Rawalpindi.

PROGRAMS & CURRICULA

DEGREES OFFERED

All six campuses of SZABIST offer various degree programs in different disciplines so please refer to page 84 for details.

Bachelor of Business Administration (BBA)

SZABIST University offers a four-year (eight semesters) BBA degree program of 146 credit hours. This is SZABIST's flagship program. For the BBA program, students are required to complete 49 courses and 03 credit hours Business Project, a 02 credit hours Community Service Project and 03 credit hours Graded Internship. The students will take 4 Program Electives courses from Management, Marketing, Finance, Entrepreneurship or Supply Chain Management. To obtain the BBA degree, students have to complete 146 credit hours including a six week graded internship.

The compulsory courses include:

- For Muslim students: *Understanding of the Holy Quran* I & II (one credit each).
- For Non-Muslim students: *Ethics & Morality* of 02 credits.

BBA program is an ACCA accredited program; those who complete BBA from SZABIST, will get an exemption in 05 out of 09 ACCA Foundation papers (F1, F2, F3, F7 and F9). BBA Program has been accredited by National Business Education Accreditation Council (NBEAC) and is also affiliated with Chartered Financial Analyst (CFA) Institute.

The maximum time limit to complete the BBA degree is six years.

Bachelor of Science Business Analytics (BS BA)

SZABIST University Islamabad Campus offers a four-year (eight-semester) BSBA degree with specializations in Marketing, Finance, Human Resource Management and Supply Chain Management. The program integrates business acumen with advanced analytics tools, focusing on descriptive, diagnostic, predictive, and prescriptive analytics to equip students for data-driven decision-making. The curriculum prepares students to analyze data, develop strategies, and leverage analytics tools for informed business decision making.

BSBA Program is comprised of 50 courses, 05 Labs, a 03 credit hours Capstone Project, and 03 credit hours Graded Internship. The students are required to complete 146 credit hours.

The maximum time limit to complete the degree is six years.

The compulsory courses include:

- For Muslim students: *Understanding of the Holy Quran* I & II (one credit each).
- For Non-Muslim students: *Ethics & Morality* of 02 credits.

Bachelor of Science in Accounting & Finance (BS A&F)

SZABIST University offers a 4-year (8 semesters) Bachelor of Science in Accounting & Finance (BS A&F) degree program of 146 credit hours. Students are required to complete 50 courses, a 3 credit hours Capstone Project, and 3 credit hours graded internship.

The compulsory courses include:

- For Muslim students: *Understanding of the Holy Quran* I & II (one credit each).
- For Non-Muslim students: *Ethics & Morality* of 02 credits.

Students have the option to take:

- Finance as Major and Accounting as Minor /
- Accounting as Major and Finance as Minor

Graduates of BS A&F program will get exemptions in 9 papers from both Institute of Chartered Accountants of Pakistan (ICAP) and Association of Chartered Certified Accountants (ACCA), UK. The BS A&F program is affiliated with the Chartered Financial Analyst (CFA) Institute.

The maximum time limit to complete the degree program is 6 years.

SZABIST University also offers a 2.5-year Bachelor of Science in Accounting & Finance (BS A&F-2.5) program exclusively for CAF qualified students of the Institute of Chartered Accountants of Pakistan (ICAP). CAF qualified students are exempted from 60 credit hours (20 courses) of course work and have to complete 86 credit hours including 30 courses, 3 credit hours Capstone Project and 3 credit hours graded internship.

The compulsory courses include:

- For Muslim students: *Understanding of the Holy Quran* I & II (one credit each).
- For Non-Muslim students: *Ethics & Morality* of 02 credits.

Students of BS A&F-2.5 year can also select Finance as Major and Accounting as Minor / Accounting as Major

PROGRAMS & CURRICULA

and Finance as Minor.

The maximum time limit to complete the degree program is 6 years.

Bachelor of Science in Computer Science (BS CS)

SZABIST University, Islamabad Campus offers a four-year (eight semesters) BS Computer Science degree program which is accredited by National Computing Education & Accreditation Council, (NCEAC). The program covers a wide range of courses in core Computer Science, Information Technology and Software Engineering. The program is essentially a full time day program and consists of 47 courses (five courses per semester) with a total of 132 credit hours. The course plan includes 7 technical electives which provide intensive learning in the diversified areas of Computer Science and allied disciplines. A six weeks internship is a mandatory degree requirement.

The compulsory courses include:

- For Muslim students: *Understanding of the Holy Quran I & II* (one credit each).
- For Non-Muslim students: *Ethics & Morality of* 02 credits.

The maximum time limit to complete the degree is six years.

Bachelor of Science in Software Engineering (BS SE)

SZABIST University offers a four-year (eight semesters) BS Software Engineering degree program accredited by National Computing Education & Accreditation Council, (NCEAC). The BS Software Engineering program is a full-time four-year degree program comprising eight semesters. The degree program is designed around a set of courses pertaining to the principles of software analysis, design, architecture, development, testing, and maintenance techniques that are necessary to produce high-quality software systems. Some additional courses from the disciplines of Computer Science, Mathematics, Management Science, and Humanities are part of the degree program in order to develop a broader knowledge base of the students.

It consists of 47 courses with a total of 132 credits hours. A six weeks internship is a mandatory degree requirement.

The compulsory courses include:

- For Muslim students: *Understanding of the Holy Quran I & II* (one credit each).
- For Non-Muslim students: *Ethics & Morality of* 02 credits.

The maximum duration to complete the degree is six years.

Bachelor of Science in Artificial Intelligence (BS AI)

The Bachelor of Science in Artificial Intelligence BS(AI) program is offered by the Department of Robotics & Artificial Intelligence. The BS(AI) program is structured as a full-time, daytime curriculum, meticulously designed to cover the forefront of technological advancements in fields such as Machine Learning, Deep Learning, Explainable AI, Knowledge Representation and Reasoning, Computer Vision, Software Engineering, and Natural Language Processing.

This comprehensive four-year program encompasses a total of 47 courses, amounting to 132 credit hours. A six week internship is a mandatory degree requirement. The program comprises of 46 credit hours of Computing Core courses, 18 credit hours of Domain Core courses, 21 credit hours of Domain Electives, 12 credit hours of Mathematics and Supporting courses, 4 credit hours of Elective Supporting courses, and 31 credit hours of General Education Requirement courses.

The compulsory courses include:

- For Muslim students: *Understanding of the Holy Quran I & II* (one credit each).
- For Non-Muslim students: *Ethics & Morality of* 02 credits.

The maximum duration of the program is six years.

Bachelor of Science in Social Sciences (BS SS) (Economics, Sociology, Development Studies & International Relations)

SZABIST University offers a four-year (eight semesters) BSSS degree in Economics, Sociology, Development Studies, and International Relations. The Program is essentially day program and consists of 48 courses (six courses per semester), graded internship and Research Project/Capstone Project comprising of 146 credit hours in total.

The compulsory courses include:

- For Muslim students: *Understanding of the Holy Quran I & II* (one credit each).
- For Non-Muslim students: *Ethics & Morality of* 02 credits.

The maximum time limit to complete the BS degree is six years.

PROGRAMS & CURRICULA

Bachelor of Science in Psychology (BS PSY)

SZABIST offers a 4 years degree of BS Psychology. The students are required to complete a total of 143 credit hours. The degree consists of a total of 50 courses including internship (3 Credit Hours) and a Research Project/ Capstone Project (6 Credit Hours).

The compulsory courses include:

- For Muslim students: *Understanding of the Holy Quran I & II* (one credit each).
- For Non-Muslim students: *Ethics & Morality of* 02 credits.

The maximum time limit to complete the BS degree is six years.

Bachelor of Media Sciences (BMS)

The Faculty of Media Sciences offers a comprehensive 4-year Bachelor of Media Science degree with streams in Film and Television Production, Advertising Strategy & Design, Journalism and Game Design. To earn an undergraduate degree, students must complete a total of 143 credit hours which include 49 courses, a 6-credit hours Final Year Project, and a 3-credit internship (Forty-nine courses include: 37 core courses, 7 from the stream of specialization requirements, i.e. Film and Television Production, Advertising Strategy & Design, Journalism or Game Design and 3 Cross Specialization Stream Electives) and 02 compulsory courses including:

- For Muslim students: *Understanding of the Holy Quran I & II* (one credit each).
- For Non-Muslim students: *Ethics & Morality of* 02 credits.

All students must complete their degree within six years.

Masters of Business Administration (MBA)

MBA program has been designed to impart quality professional knowledge and understanding of modern management tools, leadership, entrepreneurial skills, and managerial and communication competencies. MBA Program has been accredited by National Business Education Accreditation Council (NBEAC) which is an independent professional council established by Higher Education Commission.

SZABIST offers MBA with specialization in Marketing, Finance, Management, Human Resource Management and Supply Chain Management.

MBA Program is open to students with a four-year bachelor's degree (16 years of education) in various

disciplines, such as BSCS, BE, BBA, and others.

The student is required to complete 74 credit hours in total. The course plan consist of twenty-two courses (03 credit hours each), 6 credit hours of Research Project or Thesis (spread over two semesters-03+03) and 02 compulsory courses including:

- For Muslim students: *Understanding of the Holy Quran I & II* (one credit each).
- For Non-Muslim students: *Ethics & Morality of* 02 credits.

Students with undergraduate degree in Management Sciences, Business Administration, Commerce or equivalent qualification are exempted 36 credit hours of course work and they are required to complete remaining 38 credit hours in 1.5 years. Students are also required to undertake a six weeks' internship during summer.

The maximum duration to complete MBA degree is four years.

CILT (UK) Level 5 Professional Diploma in Logistics & Transport

The Chartered Institute of Logistics & Transport (CILT) is the leading professional body associated with logistics and transport, having over 35,000 members in over 100 countries worldwide.

SZABIST has signed a Memorandum of understanding (MOU) with CILT-UK to offer a Level 5 Professional Diploma. Now, Business and Engineering Professionals and students have the opportunity of opting for International Professional Diploma in Logistics and Transport by doing five courses. The Professional Diploma fee is to be paid by the student.

Executive Master of Business Administration (EMBA)

SZABIST University offers a comprehensive two-year Executive MBA program designed for working professionals who aspire to elevate their careers and take on greater corporate responsibilities. This distinguished program equips professionals with advanced managerial insights, leadership capabilities, and data-driven strategic decision-making skills required in today's dynamic business environment.

The curriculum integrates rigorous academic learning with practical industry perspectives, enabling participants to leverage their professional experience for deeper learning and impactful application. Through interactive sessions, case-based discussions, hands-on workshops, conferences, and symposia, the program fosters critical thinking, innovation, and strategic

PROGRAMS & CURRICULA

acumen.

Participants also benefit from SZABIST's strong corporate linkages and extensive alumni network, providing valuable opportunities for professional growth, mentorship, and career advancement. The EMBA program is structured to enhance efficiency, broaden business understanding, and prepare executives to lead with confidence and vision in their respective organizations.

The EMBA program is spread over four semesters and consists of 68 credit hours. The student is required to complete twenty courses (60 credit hours), Capstone Project or Thesis (3+3 credits, spread over 2 semesters) and 02 compulsory courses including:

- For Muslim students: *Understanding of the Holy Quran I & II* (one credit each).
- For Non-Muslim students: *Ethics & Morality* of 02 credits.

The maximum time limit to complete the EMBA degree is four years.

EMBA students and alumni are exempted from all 13 courses of Chartered Institute of Management Accountants (CIMA) qualification, and are only required to pass three case studies.

Professional Master of Business Administration (PMBA)

The Professional MBA (PMBA) program is designed for executives and mid-level managers seeking a flexible and efficient graduate management pathway. The program provides an accelerated route to complete a graduate degree without compromising academic quality or professional development, while also offering the option to upgrade to the two-year EMBA when circumstances allow.

The PMBA equips participants with essential management knowledge, analytical competencies, and practical business insights to support career advancement. With a structure tailored to the needs of busy professionals, the program ensures continuity in academic progression while maintaining a balance between work, personal life, and long term career goals.

The PMBA program is spread over two semesters and consists of 35 credit hours. The student is required to complete ten courses (03 credit hours each), Business Project (03 credits) and 02 compulsory courses including:

- For Muslim students: *Understanding of the Holy Quran I & II* (one credit each).
- For Non-Muslim students: *Ethics & Morality* of 02 credits.

Maximum time limit to complete the PMBA program is four years.

Master in Human Resource Management (MHRM)

The Master of Human Resource Management (MHRM) program is designed for individuals who hold functional responsibilities within HR departments, seasoned HR professionals seeking to stay current with evolving practices, newcomers entering the field who require foundational knowledge and skills, and specialists aiming to broaden their understanding of strategic and operational HRM. The program equips participants with advanced competencies, contemporary insights, and practical tools essential for effectively managing human capital in dynamic organizational environments.

MHRM is a one-year weekend program and spread over two semesters. The program consists of 32 credit hours. The student is required to complete nine courses (03 credit hours each), Capstone Project (03 credits) and 02 compulsory courses including:

- For Muslim students: *Understanding of the Holy Quran I & II* (one credit each).
- For Non-Muslim students: *Ethics & Morality* of 02 credits.

Maximum time limit to complete the MHRM degree is four years.

Master of Project Management (MPM)

The Master of Project Management (MPM) is the first and only project management program in Pakistan which is accredited by PMI, USA.

MPM is designed to enable individuals to manage complex projects through modern project management approaches. MPM is a weekend program comprising 32 credit hours spread over two semesters. A total of 12 courses are required to graduate, including 10 courses of 3 credit hours each and 02 compulsory courses including:

- For Muslim students: *Understanding of the Holy Quran I & II* (one credit each).
- For Non-Muslim students: *Ethics & Morality* of 02 credits.

PROGRAMS & CURRICULA

The maximum time limit to complete MPM degree is four years.

Master of Science in Project Management (MSPM)

SZABIST offers MS in Project Management (MSPM). The university offers two streams for MSPM. One Stream is by Course Work and other one is by Research Work. In Course Work Stream, the student is required to complete 10 courses of 3 credit hours each and 02 compulsory courses including:

- For Muslim students: *Understanding of the Holy Quran I & II* (one credit each).
- For Non-Muslim students: *Ethics & Morality of* 02 credits.

In Research Work Stream, the student is required to complete courses of 26 credits, and two Independent Research Studies (IRS), or a Thesis (06 credit hours).

In either stream, students are required to complete 32 credit hours. The maximum time limit to complete MSPM degree is 4 years.

The students are required to clear GAT General test or HAT relevant with a minimum 50% score, or GRE with minimum 300 score.

Master of Science in Management Sciences (MS MS)

SZABIST offers MS degree with concentration in the specialized areas of Human Resource Management, Marketing, and Finance. The MS program is an evening program and classes are held during week days. The program consists of 32 credit hours.

There are two streams available for MS. One Stream is by Course Work and other one is by Research Work. In Course Work Stream, the student is required to complete 10 courses of 3 credit hours each and 02 compulsory courses including:

- For Muslim students: *Understanding of the Holy Quran I & II* (one credit each).
- For Non-Muslim students: *Ethics & Morality of* 02 credits.

In Research Work Stream, the student is required to complete courses of 26 credits and Two IRS or Thesis (06 credit hours).

In both the streams, 32 credit hours are to be completed. The maximum time limit to earn MSMS degree is 4 years.

The students are required to clear GAT General test or HAT relevant with a minimum 50% score or GRE with minimum 300 score as applicable for MS students.

Master of Science Business Analytics (MSBA)

SZABIST university provides a unique ecosystem that enables working knowledge, based on skills and competencies acquisition through relevant and concurrent market driven MSBA degree program.

The market driven program and the blend of leadership acumen and expertise in data analytics skills matching the requirement of digital economy and augmented with SZABIST university corporate linkage offers endless opportunities at national and international levels.

There are two streams available for MSBA. One Stream is by Course Work and other one is by Research Work. In Course Work Stream, the student is required to complete 10 courses of 3 credit hours each and 02 compulsory courses including:

- For Muslim students: *Understanding of the Holy Quran I & II* (one credit each).
- For Non-Muslim students: *Ethics & Morality of* 02 credits.

In Research Work Stream, the student is required to complete courses of 26 credits and Research Thesis or Capstone Project of 6-credit hours.

In both the streams, 32 credit hours are to be completed. The maximum time limit to complete MSBA degree is 4 years.

The students are required to clear GAT General test or HAT relevant with a minimum 50% score or GRE with minimum 300 score.

Master of Science in Computer Science (MS CS)

SZABIST offers MS (CS) degree in three domains: Core Computer Science area and in two specialization tracks, i.e., Software Engineering (SE) and Networks & Security (N&S). Students are required to complete 3 focused courses in any specific domain.

The program is of 2-year duration and is offered in the evening. It requires 35 credit hours to complete the degree. The student has the option to complete MS through course work only or with research. In Course Work Stream, the student is required to complete 11 courses of 3 credit hours each and 02 compulsory

PROGRAMS & CURRICULA

courses including:

- For Muslim students: *Understanding of the Holy Quran I & II* (one credit each).
- For Non-Muslim students: *Ethics & Morality* of 02 credits.

For Research based stream, the student is required to complete courses of 29 credits and Two Independent Research studies (6 credits) or Thesis (6 credits).

The maximum time limit to complete MSCS degree is four years.

The students are required to clear GAT General test or HAT relevant with a minimum 50% score or GRE with minimum 300 score.

Master of Science in Cyber Security (MS CYS)

The MS (Cyber Security) program is of 2-years duration and offered in the evening. It requires 35 credit hours to complete the degree.

There are two streams available for MS. One Stream is by Course Work and other one is by Research Work. In Course Work Stream, the student is required to complete 11 courses of 3 credit hours each and 02 compulsory courses including:

- For Muslim students: *Understanding of the Holy Quran I & II* (one credit each).
- For Non-Muslim students: *Ethics & Morality* of 02 credits.

For Research based stream, the student is required to complete courses of 29 credits and Two Independent Research Studies or a thesis of 6 credits.

The maximum time limit to complete MS CYS degree is 4 years.

The students are required to clear GAT General test or HAT relevant with a minimum 50% score or GRE with minimum 300 score as applicable for MS students.

Master of Science in Data Science (MS DSc)

The Master of Science in Data Science is offered by the Department of Robotics & Artificial Intelligence. This is an evening program, comprises of 32 credit hours and requires two years to complete the degree.

There are two streams available for MS. One Stream is by Course Work and other one is by Research Work. The

curriculum for course work stream includes 3 core courses (3 credit hours each), 2 specialization courses (3 credit hours each), 5 elective courses (3 credit hours each), and 02 compulsory courses including:

- For Muslim students: *Understanding of the Holy Quran I & II* (one credit each).
- For Non-Muslim students: *Ethics & Morality* of 02 credits.

For Research based stream, the student is required to complete courses of 26 credits and two Independent Research Studies (6 credit hours) or a thesis (6 credits).

The maximum duration to complete MS(DSc) degree is 4 years.

The students are required to clear GAT General test or HAT relevant with a minimum 50% score or GRE with minimum 300 score.

Master of Science in Social Sciences (MS SS) (International Relations, Economics, Sociology)

SZABIST offers MS Social Sciences degree with specializations in International Relations, Economics and Sociology.

It is an evening program and consists of 35 credit hours. There are two streams available for MS including course work and research based streams. In Course Work Stream, the student is required to complete 11 courses of 3 credit hours each and 02 compulsory courses including:

- For Muslim students: *Understanding of the Holy Quran I & II* (one credit each).
- For Non-Muslim students: *Ethics & Morality* of 02 credits.

For Research based stream, the student is required to complete courses of 29 credits and two Independent Research Studies (6 credit hours) or a thesis (6 credits).

The maximum time limit to complete the MSSS degree is 4 years.

All MS students are required to pass GAT General / HAT relevant with minimum 50% score or GRE with minimum 300 score.

Master of Science in Development Studies (MS DS)

To produce purely development practitioners, SZABIST

PROGRAMS & CURRICULA

offers MS degree in Development Studies which is a multi and interdisciplinary field of study, that seeks to understand social, economic, political, technological and cultural aspects of societal change, particularly in developing countries.

The program is also characterized by normative and policy concerns. It aims at contributing to possible solutions to societal problems that development or its absence may produce. The student has option to choose any one of the following two specializations;

- (i) Climate Change Adaptation and Disaster Management
- (ii) Livelihood & Sustainable Development.

Workshops and supervised internship are part of the course plan for practical and hand on experience. The degree requires to complete the 38 credit hours.

There are two streams for MS degree including (1) Course Work based (2) Research based stream. In course work stream, the students are required to complete 9 courses (3 credits each), two courses of Understanding of Holy Quran for Muslim students (01 credit each) or Ethics and Morality for Non-Muslim students (02 credits), two hands on workshops (6 credits), one supervised intership (3 credits).

In Research based stream, the students is required to complete courses of 23 credits two hands on workshops (6 credits), one supervised intership (3 credits) and a Thesis of 06 credits. The maximum time limit to complete MSDS degree is 4 years.

All MS students are required to pass GAT General / HAT relevant with minimum 50% score or GRE with minimum 300 score.

Master of Science in Clinical Psychology (MS CLPsy)

MS Clinical Psychology program consists of 40 credits. There are two streams available for MS. One Stream is Course Based Stream and other one is Research Based Stream.

In Course Based Stream, the student is required to complete 11 courses (32 credit hours), 02 courses of Understanding of Holy Quran for Muslim students (01 credit hour each) or Ethics and Morality for Non-Muslim students (02 credits) and Clinical Internships (06 credits).

In Research Based Stream, the student is required to complete courses of 28 credit hours, Clinical Internship (06 credits) and a Thesis (6 credits).

The maximum time limit to complete MS CLPsy degree is 4 years.

All MS students are required to pass GAT General / HAT relevant with minimum 50% score or GRE with minimum 300 score.

MS (Sociology)

SZABIST offers MS degree in Sociology. The program consists of 32 credit hours including 08 courses (03 credit hours each) 02 courses of Understanding of Holy Quran for Muslim students (01 credit hour each) or Ethics and Morality for Non-Muslim students (02 credits) and a thesis of 06 credits.

The maximum time limit to complete the MS Sociology degree is 4 years.

All MS students are required to pass GAT General / HAT relevant with minimum 50% score or GRE with minimum 300 score.

MS Media Sciences

Faculty of Media Sciences offers MS degree in Media Sciences. It is a weekend program and students are required to complete 32 credit hours. The students can select any one of the following 04 streams of specialization;

(1) Media Production and Design stream is primarily for media professionals and middle management of production houses and teams engaged in media houses and are hampered in their careers because of lack of knowledge and understanding of production technique skills.

(2) Digital Journalism & Global Communication stream is offered for all who want to develop an in-depth understanding of journalistic practices and are interested in specializing in analytical skills related to both print and electronic media;

(3) Fashion Media & Digital Communication stream is for professionals who want to join the growing Fashion media and merchandising industry in Pakistan, in addition to courses that help in managing public relations and communication strategy of companies and nonprofits.

(4) Advertising Strategy & Design Stream is tailored for professionals working in advertising agencies, marketing departments, and media planning teams who aim to advance their careers through a deeper understanding of branding, advertising design, and strategic communication. This stream focuses on enhancing creative thinking, campaign development, consumer behavior insights, and integrated marketing communication for both traditional and digital platforms.

PROGRAMS & CURRICULA

Students are required to complete 32 credit hours either through Coursework or Research based stream.

For course work stream, the student has to complete 04 core courses (03 credit hours each), 06 electives (03 credit hours each) and 02 courses of Understanding of Holy Quran for Muslim students (01 credit hour each) or Ethics and Morality for Non-Muslim students (02 credits).

For Research based stream, the student has to complete courses of 26 credit hours and a thesis of 06 credits.

All students must complete their degree within four years.

All MS students are required to pass GAT General / HAT relevant with minimum 50% score or GRE with minimum 300 score.

Doctor of Philosophy

SZABIST offers PhD degrees in Management Sciences, Computing and Psychology under strict adherence to the HEC guidelines.

The admission requirement for PhD is a minimum 17.5 years of relevant education with the minimum 3.0 CGPA / 60% score, GAT Subject with minimum 60% score or GRE Subject with minimum of 640 score and fulfilling the admission requirements of SZABIST.

For Ph.D. Management Sciences, SZABIST's own GAT Subject test can be cleared with 60% score in lieu of GAT Subject.

After admission, the student is required to complete the course work of 20 credit hours that includes five courses (03 credit hours each), 02 courses of Understanding of Holy Quran for Muslim students (01 credit hour each) or Ethics and Morality for Non-Muslim students (02 credits) and one Independent Research Study (03 credits).

The Maximum course load per semester is 10 credit hours.

After completing course work, students are required to pass Comprehensive Examination within two attempts. The dissertation, carrying a weight of 30 credit hours is required to be completed. Prior to submitting the dissertation, the student is required to publish a research paper in HEC recognized journal. The dissertation is sent for evaluation to two external examiners in technologically advanced countries.

The Ph.D. in Management Sciences enables scholars to deepen their expertise, broaden their analytical perspective, and advance cutting-edge research through specializations in Finance, Marketing, and Human Resource Management.

PhD Computing can be done in various specialized areas related to pure or applied Computer Sciences. The specializations include but not limited to Database Management Systems, Management Information Systems, Data Warehousing, Data Mining, Networking & Communication, Business Intelligence, Process Modeling, Telecommunication, Mobile Communication, Mobile Computing, Technology Management, Artificial Intelligence, Software Engineering, Agent Systems, Speech Recognition, Multimedia Systems, Human-Computer Interface (HCI), E-Business, Mechatronics, Machine Vision, Image Processing and any other area which falls in the purview of computer sciences or computing.

PhD Psychology focuses on research, theory, and evidence-based practices, training scholars to conduct original research that advances the science of psychology and apply psychological principles to educational, organizational, or social problems. It provides powerful interdisciplinary skill set which includes research and data analysis advanced statistical, psychometric and experimental design skills. Comprehensive understanding of Psychological Assessment of personality, intelligence and diagnostic testing. Ethical and cultural competence applying psychological knowledge responsibly.

The time limit to earn a PhD degree is from 3 to 8 years.



Grading Plan

The following Letter Grade Plan is followed at SZABIST:

Letter	Range	Grade Point	Degree Requirement
A+	90 – 100	4.00	
A	85 – 89	3.75	
A-	80 – 84	3.50	
B+	75 – 79	3.25	
B	70 – 74	3.00	PhD Degree
B-	66 – 69	2.75	MS Degree
C+	63 – 65	2.50	Master's Degree
C	60 – 62	2.00	Undergraduate Degree
C-	55 – 59	1.50	
F	< 55	0.00	

ADMISSION REQUIREMENTS

NOTE:

- All applicants will be required to appear in an entrance test and interview/group discussion held by SZABIST.
- Conversion of A-Level grades or equivalent must be 50% and above for all undergraduate programs except BSSS & BS Psychology, which require minimum 45%.
- Intermediate students are required to get their SSC and HSSC certificates/marksheet attested by Inter Boards Coordination Commission (IBCC).
- Equivalency from Inter Boards Coordination Commission (IBCC) is mandatory for O & A Levels/High School Diploma/IB Diploma or equivalent.
- High School Diploma or International Baccalaureate (IB) students appearing for examination from Pakistan shall have to pass Islamiat, Pakistan Studies & Urdu either with O Levels or SSC.
- Verification of last degree from Higher Education Commission (HEC) is mandatory for all Masters, MS, & PhD students.
- Equivalency of international degrees from Higher Education Commission of Pakistan (HEC) is mandatory for all Masters, MS, & PhD students.
- Students waiting for results can also apply.
- Admission of foreign students are subject to clearance from the relevant agencies/NoC from HEC.

BACHELOR DEGREE PROGRAMS

BBA/BS Programs

For admission in the BBA/BS programs, the candidate must have completed O-Levels (minimum 8 subjects including 5 compulsory subjects; English, Urdu, Maths, Islamiat & Pakistan Studies) and A-levels (minimum 3 Subjects)/12th Grade/Intermediate with minimum 50% marks or equivalent from a recognized institution.

For admission in BSSS/BS Psychology programs, the candidate must have completed 12th Grade/Intermediate or equivalent with minimum 45% marks.

For BSCS/BSSE/BSAI programs, candidates who have not studied Mathematics at Intermediate/A-Levels have to pass deficiency courses of Mathematics (06 credits) in first two semesters.

For BS (A&F) 2.5 years duly verified Certificate in Accounting & Finance (CAF) from Institute of Chartered Accountants of Pakistan (ICAP) is required.

Equivalency of grades for the candidates having Cambridge High School Certificate are obtained as follows:

A-Level Grade	Equivalent Intermediate %
A	85
B	75
C	65
D	55
E	45

MASTERS DEGREE PROGRAMS

Master of Business Administration (MBA)

For admission in the MBA program, the candidate must possess a 4 years bachelor degree with minimum 2.0 CGPA or 16 years of education with minimum 50% marks from a university recognized by the HEC.

Executive Master of Business Administration (EMBA)/ Professional Master of Business Administration (PMBA)

For admission in EMBA/PMBA program, the candidate must possess 16-year education with minimum 50% marks/ 2.0 CGPA from a university recognized by the Higher Education Commission (HEC) in any field of study with 3 years professional work experience (verifiable) at some well known organization. This requirement is necessary to seek admission in these programs.

Master in Human Resource Management (MHRM)

For admission in the MHRM program, the applicant must possess a minimum of 16 years of education/4-year Bachelor/Masters degree with minimum 50% marks/CGPA 2.0 from an HEC recognized educational institute. Relevant work experience of minimum 2 years is required for admission in MHRM.

Master of Project Management (MPM)

For admission in the MPM program, the applicant must possess a minimum of sixteen years of education/4-year Bachelor/Master from HEC recognized educational institute with a minimum of 50% marks/2.0 CGPA.

Master of Science - Project Management (MS PM)

For admission in the MSPM program, the applicant must possess a minimum of 16 years of education/4-year Bachelor/Master with a minimum of 2.0 CGPA or 50% marks from an HEC recognized university.

GAT (General) or HAT relevant with minimum 50% score or GRE with minimum 300 score is mandatory requirement for MS students.

Master of Science in Management Sciences (MS MS)

For admission to MS Management Sciences candidates must possess 16 years of relevant education with minimum 50% marks/2.0 CGPA from a university recognized by HEC.

Students with non-relevant background need to complete remedial/ deficiency courses in the first semester before they will be permitted to continue regular courses. This semester will be considered a zero semester and the credits will not contribute to the CGPA. These courses will be mentioned on the transcript with a zero GPA. The length of the completion of the degree will increase by one semester though the

ADMISSION REQUIREMENTS

maximum limit of four years of degree completion will remain the same.

GAT (General) or HAT relevant with minimum 50% score or GRE with minimum 300 score is mandatory requirement for MS students.

Master of Science in Business Analytics (MS BA)

For admission to MS Business Analytics, candidates must possess 16 years of relevant education with minimum 50% marks/2.0 CGPA from a university recognized by HEC.

Students with non-relevant background need to complete remedial/ deficiency courses in the first semester before they will be permitted to continue regular courses. This semester will be considered a zero semester and the credits will not contribute to the CGPA. These courses will be mentioned on the transcript with a zero GPA. The length of the completion of the degree will increase by one semester though the maximum limit of four years of degree completion will remain the same.

GAT (General) or HAT relevant with minimum 50% score or GRE with minimum 300 score is mandatory requirement for MS students.

Master of Science in Computer Science (MScS)

For admission to MS Computer Science program candidates must possess 16 years of relevant education with minimum 50% marks/2.0 CGPA from a university / institute recognized by HEC.

Eligibility for this program is a 4-year BS (CS) or 2-year MCS degree from a recognized institution. The candidates with a 4-year professional degree (BE, MSc, etc.) may also apply but will require to complete deficiency courses (up to 12 credit hours to be determined by Program Manager). The programs such as BSCS, BSIT, BSSE, BSCE & BSCSE shall not require any extra courses.

GAT (General) or HAT relevant with minimum 50% score or GRE with minimum 300 score is mandatory requirement for MS students.

Master of Science in Data Science (MS DSc)

For admission in the MS (DSc) program candidates must possess 16 years of relevant education (4 years BS(CS) or equivalent) with a minimum of 50% marks / 2.0 CGPA from HEC recognized University / Institute. The students with 16 years of education in the disciplines of Information Technology, Software Engineering, Computer Engineering, Electrical Engineering, Statistics, Mathematics, Business Administration, Accounting & Finance, Economics, or other relevant disciplines, are also eligible to apply provided that they take deficiency courses.

GAT (General) or HAT relevant with minimum 50% score

or GRE with minimum 300 score is mandatory requirement for MS students.

Master of Science in Cyber Security (MS CYS)

For admission to MS (Cyber Security) program candidates must possess 16 years of relevant education with minimum 50% marks/2.0 CGPA from a university / Institute recognized by HEC.

The candidates with a 4-year professional degree (BE, MSc, etc.) may also apply but will require to complete deficiency conversion courses (up to 12 credit hours courses to be determined in consultation with Program Manager). The programs such as BSCS, BSIT, BSSE, BSCE & BSCSE shall not require any extra courses. GAT (General) or HAT relevant with minimum 50% score or GRE with minimum 300 score is mandatory requirement for MS students.

MS SS

(International Relations, Economics, Sociology)

For admission in MS SS (International Relations, Economics, Sociology) program, candidates must possess 16 years of relevant education with minimum 2nd Division/2.0 CGPA from a university recognized by HEC. The candidate who do not have relevant degree in related disciplines, have to complete deficiency courses. The relevancy of the degree and number of deficiency courses will be determined on case to case basis by the Program Manager.

GAT (General) or HAT relevant with minimum 50% score or GRE with minimum 300 score is mandatory requirement for MS students.

Master of Science in Development Studies (MS DS)

The candidates must possess 16 years of relevant education with minimum 2nd Division/2.0 CGPA from a university recognized by HEC. The candidate who do not have relevant degree in related disciplines, have to complete deficiency courses. The relevancy of the degree and number of deficiency courses will be determined on case to case basis by the Program Manager.

GAT (General) or HAT relevant with minimum 50% score or GRE with minimum 300 score is mandatory requirement for MS students.

Master of Science - Clinical Psychology

For admission to MS (Clinical Psychology) candidates must have sixteen years of relevant education or 4-year bachelor education (with psychology as a major subject) or 2 years bachelor (B.A./B.Sc. with Psychology as a subject) and 2 years Master of Psychology (M.A., M.Sc.) with minimum 50% marks or 2.0 CGPA.

GAT (General) or HAT relevant with minimum 50% score or GRE with minimum 300 score is mandatory requirement for MS students.

ADMISSION REQUIREMENTS

Master of Science in Sociology (MS So)

For admission in MS Sociology program, candidates must possess 16 years of relevant education with minimum 2nd Division/2.0 CGPA from a university recognized by HEC. The candidates with a non-relevant degree may also apply but will require to complete deficiency conversion courses in consultation with Program Manager.

GAT (General) or HAT relevant with minimum 50% score or GRE with minimum 300 score is mandatory requirement for MS students.

MS Media Sciences

For admission to the MS Media Sciences Program, candidates must possess 16 years of education with a minimum 2nd division /2.00 CGPA from an HEC recognized university in a related field of Media, advertising, communication design, applied or performing arts. Candidates with non-relevant degrees (BBA, BSCS, MSc., MCom., MA, etc.) may also apply but will require to complete deficiency courses in consultation with Admission Committee.

Students need to complete remedial/deficiency courses (up to 12 credits hours) in the first semester before they will be permitted to continue regular courses. This semester will be considered a zero semester and the credits will not contribute to the CGPA. These courses will be mentioned on the transcript with a zero GPA. The length of the completion of the degree will increase by one semester though the maximum limit of four years of degree completion will remain the same.

GAT (General) or HAT relevant with minimum 50% score or GRE with minimum 300 score is mandatory requirement for MS.

DOCTORAL DEGREE PROGRAMS

Admission Requirements

A candidate with MBA/MS/MPhil or any other equivalent degree with minimum 17.5 years of formal education in the relevant field from HEC recognized local or foreign university may apply for direct admission in a PhD program. To apply for admission in PhD program, the candidate must have obtained minimum 60% score or 3.0 CGPA, and have passed GRE Subject with minimum score of 640/GAT (subject) with minimum 60% score. Clearing GAT (Subject)/GRE is mandatory for admission in PhD. The candidate would have to appear before admission committee for interview.

For PhD Management Sciences, SZABIST's own GAT Subject test may be cleared with minimum 60% score in lieu of GAT Subject.

A student may be asked to complete other pre-requisite/deficiency courses/thesis before taking the required courses. The decision on number of pre-requisite

courses is taken by the Admissions Committee of relevant department. For the applicants with non-relevant degrees, the candidate will be required to Pass GRE Subject/equivalent test with minimum 50% marks in the discipline of admission. He/she would also be required to take deficiency courses (Level 7) of minimum 6-9 cr. hrs. as determined by the department / admission committee. Final decision of admission will be taken by the concerned department.

Credit Hours Requirements

For completion of the PhD degree in Computing, Psychology and Management Sciences, the student must complete a total of 50 credit hours (20 credit hours course work and 30 credit hours dissertation).

PhD Degree Milestones

Following is the step by step procedure for PhD:

- Applying for admission along with Statement of Purpose
- Clearing admission requirements of HEC and SZABIST
- Completing course work with required CGPA
- Passing Comprehensive Examination
- Clearing proposal defense
- Completing dissertation
- Completing publication requirements
- Clearing Pre-Defense Seminar
- Receiving Satisfactory reports from foreign evaluators
- Clearing Open Defense

Two interdisciplinary courses can be allowed with the approval of both relevant Program Managers subject to the relevancy of courses.

Comprehensive Examination

After completion of the required course work that includes 7 courses and one IRS, all PhD students must pass the PhD Comprehensive Examination in two attempts as per HEC requirement. Failure to pass comprehensive examination in two attempts will result in cancellation of admission. Maximum Course Load allowed in each semester is ten credit hours.

After successfully passing it, the candidate will get PhD candidacy and he/she will be assigned a research supervisor.

Research Proposal

The candidate shall prepare a research proposal under the guidance of research supervisor. At the start of dissertation, the student will work on Proposal for Dissertation comprising of six credit hours. The PhD research proposal must be presented before the Panel of Examiners duly approved by DC/BASR. The Research Proposal Defense must be cleared within 1st six semesters from the date of admission. Failure to pass Research Proposal Defense within 1st six semesters from the date of admission will result in cancellation of admission.

ADMISSION REQUIREMENTS

Dissertation

A student may register for 3, 6, 9 or 12 credit hours in regular semesters (Spring or Fall). However, for registration in 12 Credit Hours, approval from Program Manager is required. Registration in 12 credit hours can be done only once throughout research phase. No registration is allowed in Summer in general, as it is not a regular semester. The time frame for completing PhD Degree is minimum three years and maximum eight years.

Publication Requirements

All PhD candidates are required to publish research paper/(s) in the area of their research as per HEC Graduate Policy-2023. The paper/(s) must be published before sending the dissertation to two foreign evaluators.

Pre-Defense Seminar(s)

Before sending the dissertation to two foreign evaluators belonging to technologically advanced countries in the relevant field, the candidate has to demonstrate his or her research work in front of a panel of experts. The candidate is required to incorporate the necessary changes as proposed by the panel of evaluators in the Pre-Defense Seminar.

External Evaluation of PhD Dissertation

The dissertation is evaluated by external evaluators as per the criteria prescribed by HEC Graduate Policy-2023. If the dissertation is sent again to the same evaluator after major revision, or if it is sent to a 3rd evaluator, the evaluation fee will be borne by the student along with all the additional charges.

Open Defense

After receiving minimum two satisfactory evaluation reports from the foreign evaluators, the candidate is required to appear for PhD open defense. A formal presentation of dissertation is required to be produced before Examination Committee in an open defense along with viva voce exam.

Admission Test Alternates

For Bachelors Programs

Applicants may submit a minimum 1100/1600* score of SAT 1 or 50% score of NAT conducted by NTS. The scoring of SAT 1 will be considered and compared with SZABIST's admission test as follows;

SAT score	Test Marks
1500 – 1600	50
1400 – 1499	45
1300 – 1399	40
1200 – 1299	35
1100 – 1199	30

*Candidates securing 100% marks in SZABIST's admission test will be equivalent to 50.

For Masters Programs

■ 50% score of GMAT for Master Programs.

For MS Programs

■ GAT (General)/HAT relevant with minimum 50% score.
OR
■ GRE (General) with a minimum cumulative score of 300.

For PhD Programs

■ GAT (Subject) with minimum 60% score
OR
■ GRE (Subject) with minimum 640 score.

SZABIST University's (Islamabad Campus) own GAT Subject test may be cleared with minimum 60% score in lieu of GAT Subject for PhD Management Sciences only.

Transfer Policies

Transfer into SZABIST University, can only be accepted for candidates who have studied or are currently studying at HEC recognized universities. Transferring credits must have a minimum letter grade of B or above (or 80% marks). The request for transfers must be made at the time of admission. Candidates will be required to clear all admission requirements of SZABIST University.

Bachelor Course Transfer

A maximum of 50% credits may be considered for transfer into BS/BBA programs.

MPM Course Transfer

A maximum of 6 credits may be considered for transfer into the MPM program.

MBA Course Transfer

■ A maximum of 6 credits may be considered for transfer into the MBA 38 credit hours program. Research Project/Thesis is not transferable.

■ A maximum of 36 credits may be considered for transfer into the MBA 74 credit hours program. Research Project/Thesis is not transferable.

■ Only relevant courses of the EMBA (SZABIST University) program are transferable into the regular MBA program subject to the eligibility criteria of the MBA program at SZABIST University.

EMBA Course Transfer

A maximum of 34 credits may be considered for transfer into the EMBA program. Capstone Project and Thesis credits are not transferable.

ADMISSION REQUIREMENTS

MS Course Transfer

Maximum 50% of course work may be transferred which was done within the last two years from the date of admission subject to fulfilling minimum CGPA and other requirements.

PhD Course Transfer

Maximum 50% of course work may be transferred which was done within the last one year from the date of admission subject to fulfilling minimum CGPA and other requirements.

In case of readmission after self-withdrawal, maximum 50% of course work may be transferred which was done within the last one year from the date of re-admission subject to fulfilling minimum CGPA and other requirements. The same policy is applicable to external students coming from other universities.

GAT Subject must be cleared at the time of readmission after self-withdrawal. Thesis, IRS, or any other research work will NOT be transferred.

These conditions are also applicable to Transfers between the Programs within SZABIST University.

The course transfer policy between the campuses of SZABIST University shall remain unchanged as mentioned in the Student's Handbook.

SZABIST Inter-Campus Transfer

For inter-campus transfer, the candidate must fulfill the admission requirements of the given program at the respective campus as per applicable transfer policy. All courses/grades are transferable. A transfer fee will be payable by students transferring from any other SZABIST campus.

Certificate Course Transfer

For transfer candidates from the SZABIST Certificate Programs, transferability of certificate courses is as follows:

- Maximum 05 courses are transferable in under graduate program.
- 2/3 courses are transferable in Masters program except for MS or equivalent.
- For MS, maximum 2 Certificate courses may be transferred which were done within the two years from the date of admission subject to fulfilling minimum CGPA and other requirements.
- For PhD, maximum 2 Certificate courses may be transferred which were done within the last one year from the date of admission subject to fulfilling minimum CGPA and other requirements.

The minimum letter grade of Certificate courses from SZABIST which are transferable to regular degree programs are as follows

- Bachelor's programs: C and above grades
- Master's programs: C+ and above grades
- MS Programs: B- and above grades with Grade Point of 2.75
- PhD Programs: B and above grades with Grade Point of 3.00

The minimum score of certificate courses for external students, which are transferable to regular MS & PhD programs are as follows

- MS Programs: 70% or above score
- PhD Programs: 80% or above score

Financial Assistance

SZABIST offers financial assistance to eligible and deserving students in the form of various SZABIST funded and external donor-funded scholarships as under:

- SZABIST Need-Based Scholarship
- SZABIST Merit-Based Scholarship
- SZABIST Talent Scholarship
- SZABIST Employee Children Fee Concession
- SZABIST Employee Continuing Education Scholarship
- USAID Funded Merit and Need-Based Scholarship
- Sindh Education Endowment Fund Scholarship
- Balochistan Education Endowment Fund Scholarship
- Pakistan Education Endowment Fund Scholarship
- HEC-Indigenous PhD 5000 Fellowship Program
- Orange Tree Foundation Scholarship
- Higher Education Opportunities for the students of Balochistan & FATA
- Various Community-Based Scholarship
- Agha Khan Foundation

SZABIST also offers loan facilities as under:

- Ihsan Trust Interest-Free Loan Facility (Qarz-e-Hasna)
- The Citizens Foundation Financial Assistance
- EDUFI Study Now, Pay Later (Educational Loan)



LIFE AT SZABIST

FACILITIES

Video Conferencing

SZABIST University is the first educational institute in Pakistan that introduced multi-point interactive Video Conferencing (VC) technology in 2001. SZABIST University regularly uses VC technology in interactive learning sessions among Dubai, Islamabad, Larkana, Ghara, Hyderabad and Karachi Campuses as well as in conducting seminars, lectures and presentations with foreign universities. Video Conferencing has been the most effective mode at SZABIST in bringing in live and interactive guest lecturers from national and international experts. Video Conferencing technology opens the door to exciting and valuable learning experiences. By allowing access to and interaction with resources that might have otherwise been too inconvenient or expensive, Video Conferencing ensures a highly enriched learning environment. By taking the lead in opening this field in educational practices, SZABIST University also lead in creating the most advantageous nexus between cutting-edge technology and effective learning.

Conferences/Forums/Seminars/Guest Lectures

To increase awareness and understanding of information technology and business-related issues, many conferences, forums, seminars and guest lectures are organized regularly. These seminars and lectures are in continuation of SZABIST University policy towards entrepreneurship development and networking. Seminars are conducted and attended by the leading figures from business and industry as these sessions address various business practices.

Professional Development Courses

SZABIST University also offers several productivity- based certificate courses as part of its continuing education program. The courses are developed jointly by the faculty, specialists and certified trainers in specific subject areas. The aim of these courses have been to initiate discussion and modeling of practical problems, business opportunities and to improve understanding of current issues in Information Technology, Business and Management. These courses include topics such as e-Commerce, New Programming Languages & Tools, Business & Entrepreneurship Management, Selling Skills, Conflict Resolution, Effective Leadership, and Productivity, Quality-Related Issues, Brand Management and Digital Marketing.

In addition to business productivity courses, the institute arranges study groups, mentor workshops and courses for students for removing deficiencies, if any. These courses include Business Communication, Technical Writing, Public Speaking, Personality Grooming, Interviewing Techniques and learning of Statistical Package for the Social Sciences (SPSS).

Classrooms

Classroom sessions at SZABIST are quite different from other professional university setups. Teachers pay individual attention to the limited number of candidates selected purely on merit. Instructors encourage participation instead of a monologue. Students utilize various visual aids for presentations and are always on alert because of the regular unannounced quizzes, assignments and the mid-term exams. All classrooms are air-conditioned and are equipped with multimedia projectors, wall mounted screens and white boards. All classrooms are equipped with computers along with broadband intranet and internet connectivity with electricity backup through UPS.

Labs

SZABIST's computer laboratories undergo regular modernization, featuring state-of-the-art lab spaces, sophisticated furniture, and cutting-edge computing equipment integrated with gigabit network connectivity to comprehensively fulfill student requirements. The institution's extensive "campus licensing" agreements grant access to the latest software solutions, encompassing advanced development tools and contemporary operating systems, establishing an unparalleled technological environment surpassing many esteemed universities in Pakistan.

SZABIST provides robust computing facilities supported by uninterrupted 24x7 broadband connectivity with a dedicated bandwidth of 600 Mbps for both internet and intranet access. The campus has maintained comprehensive Wi-Fi coverage since 2002, demonstrating early adoption of wireless technology. Recently, two additional computer laboratories have been incorporated into the existing infrastructure. Students and guests are encouraged to utilize their personal devices (BYOD—Bring Your Own Device) to seamlessly access all available network resources wirelessly. Furthermore, SZABIST has procured prestigious affiliations such as the Microsoft IT Academy and Oracle Academic Alliance programs.

A specialized laboratory dedicated to the Management Sciences program has been established explicitly for research, development, and advanced training of MS and PhD students. This facility is equipped with exceptionally powerful 12th- generation high-performance computers designed to facilitate intensive computational tasks. Additionally, SZABIST has inaugurated a sophisticated Smart Lab furnished with high-end 12th-generation laptops interconnected via secure Wi-Fi to the institutional network. A cutting-edge interactive smart screen further enhances collaborative learning experiences between faculty and students, enabling more dynamic and effective academic interactions.

Moreover, SZABIST has commissioned a state-of-the-art Robotics and Artificial Intelligence laboratory featuring advanced GPU-powered laptops optimized for computationally demanding tasks. These laptops are connected through high-speed Wi-Fi and broadband networks, specifically designed to support students' complex assignments and innovative project work.

LIFE AT SZABIST

Library

The SZABIST University Library boasts an extensive collection of books, journals, magazines, and a wide range of digital libraries and online databases. It is equipped with 25 workstations that provide students with access to an unlimited number of journals and magazines. Additionally, this service is extended to registered students through the SZABIST University network, available on demand. The library offers comfortable physical spaces and furniture, creating a peaceful and conducive environment for study. Furthermore, SZABIST University is home to specialized research centers, including the Centre for Renewable Energy Research (CRER) and the Sustainable Development Research Centre (SDRC), each with its own dedicated library for reference and general reading.

Research Committee (RC)

SZABIST places high emphasis on research & development and devotes conscious efforts to promote research culture among faculty and students alike. In this regard, a Research Committee (RC) is constituted to coordinate, record, and formalize diverse research activities across different departments and campuses to bring harmony and create an impact for national and international recognition of the university. Research publications produced by faculty and students are given a handsome remuneration depending on the level and merit of publications, vetted by RC. All sorts of participations in national and international conferences by the faculty & staff are approved by the RC. This may also propose a change in research policy for the university to BASR.

Doctoral Committee (DC)

The Doctoral Committee has a key function to monitor the progress of all MS and PhD students. The committee conducts its meetings regularly and discusses and recommends the individual cases of all such students pertaining to approval of their research work, selection of supervisors, co-supervisors, examiners, evaluators (national and foreign), provides approval for conduction of pre-defense seminars & open defense, and all other related activities. The DC also ensures that the research work carries its value to the society and is free from any un-ethical matters. In this regard, Institutional Ethical Review Board (IERB) work under the supervision of DC.

Board of Advanced Studies and Research (BASR)

The objective of BASR is to facilitate and monitor Academic Research at MS and Ph.D. levels and to regulate policies related to Research Publications. The BASR discusses and approves or disapproves the recommendations forwarded by Doctoral and Research Committees across all campuses of SZABIST University. The board proposes by-laws and policies regarding MS & PhD programs and the initiation,

execution, and award of research degrees. It also provides approvals on the appointments of supervisors for MS and PhD research students and endorses titles and synopses for the theses or dissertations. The decisions taken in BASR are ratified in the Academic Council.

The frequency of BASR's meetings is twice a year. BASR's meetings are chaired by the Vice President Academics and its secretary is the Registrar. The members of BASR include Deans, HoCs, HoDs and External experts from academia or industry.

Academic Council

The Academic Council is the highest academic statutory body of SZABIST University. The Council is empowered to approve or disapprove any agenda item forwarded through a due process to it. The agenda items are generally related to introduction of new program, changes in existing program structure, introduction of new courses, revision in course outlines, policy framework related to entry and exit of students and policy matters pertaining to research and development. The agenda items are first prepared at the departmental level and presented in the Board of Studies (BOS) meetings, chaired by the HODs (Head of Departments). All departments at all campuses conduct similar meetings at their respective campuses. Item approved by BOS across all campuses are forwarded to the relevant Dean, who compiles all BOS meeting's agenda and circulates the same to relevant departments under him/her.

Agenda items are thoroughly deliberated at this level. All HODs across campuses and their designated BOF members attend the BOF meetings, which are chaired by the relevant Deans. BOF meetings include some external members from academia and industries as well. The approved items from all BOF meetings are forwarded to the Registrar through Vice President (Academics). The registrar is the secretary of the Academic Council (AC), who compiles all the BOF-forwarded agenda items at one place and circulates it to all the members of the Academic Council. If the agenda items are related to Research work or research related policies, these are included for discussion in the Board of Advanced Study and Research (BASR) meetings. BASR agenda booklet also include the approved items of Doctoral Committee (DC) and Research Committee (RC).

The frequency of AC and BASR meetings is twice a year. AC meetings is chaired by the President and Co-chaired by Vice President Academics. BASR meetings are chaired by the Vice President Academics. The members of AC & BASR include Deans, Registrar, HoCs, HoDs and external experts from academia and industry.

LIFE AT SZABIST

Office of Research Innovation and Commercialization (ORIC)

The global knowledge economy has strengthened the need for strategic partnerships that go beyond their traditional roles as collaborators. World-class research universities are at the forefront of pioneering such partnerships. The Office of Research Innovation and Commercialization (ORIC) is being established to link research and commercialization at SZABIST with emerging and existing firms across Pakistan and around the world.

The mission of ORIC as outlined by HEC is “Transforming Pakistani universities to drive high impact innovation, applied research and entrepreneurship”. The ORIC’s vision is to enable and lead Pakistan’s transformation to a knowledge-based economy dependent upon innovation and entrepreneurship. It serve as a bridge between multiple faculties of SZABIST and produces quality research and innovative products for filing patents/trademarks / designs. As an umbrella, ORIC is meant to work closely with the researchers and on campus Incubators and S&T Park.

The ORIC office also serves as a conduit to local, regional and federal partners to ensure that research results aid the growth of Pakistan’s economy. It provide assistance to faculty members and research students in producing research article/projects at national as well as international level and arranges periodic workshop / training / seminar / conferences. ORIC is meant to work on commercialization of research and helping startups to incubate, grow, create new jobs, products, services, markets, carry out innovation and bring in funding. The following are the prime activities of ORIC at SZABIST:

- Managing applied research, innovation and commercialization activities within the universities through industrial collaboration;
- Intellectual Property Commercialization through documentation, evaluation, protection, marketing, licensing and royalties agreements;
- Partnership with national / foreign universities, government departments, and non- government organizations for reports, publication, contracts and consultancies;
- Participate in government programs and in securing funding for research from public and private sector;
- Organizing training, workshop, seminars, focus group discussions for maintaining academia - industry linkage as well as capacity development;
- Help final year students through startups and joint ventures.
- Managing functions of Business Incubation Centre by empowering entrepreneurs with the mentorship, training and access to capital assistance.

Data Centre

The Data Center has been designed with the Telecommunication Industry Association’s (TIA-942) Tier-II international infrastructure standards including raised flooring, redundant HVAC precision units, fire detection, alarm & suppression system, precision UPS & power system, CCTV and access control system for remote monitoring. The Data Center is responsible for providing LAN & WAN connectivity, Web Services, Video Conferencing, hosting private cloud services and Server Farm (including Domain Controllers, Proxy, Email, Web, Network Management, Electronic Bulletin Board, ZABDESK ERP and many more) and other related services of all five campuses, ZABTECH and IMC.

Computing Resources

Computing resources of the data center is comprising of 20 TFLOPS of processing speed with high performance and reliable 100 Tera Bytes of storage capacity. The data center is equipped with UPS backup and 12-ton redundant precision cooling system for reliability of data center and protected by FM-200 based Automatic Fire Detection and Suppression System and manual fire extinguishers. CCTV cameras and Access Control systems are intact for effective surveillance and restricting unauthorized access to the facility.

Campus Network Infrastructure

Campus network is based on n-tier architecture which includes security, core, distribution and access layers. The backbone comprises three upper layers i.e. security, core and distribution as well as primary & backup fibre optic link connectivity for all buildings. In Data Center, redundant Chassis-based routers, core and distribution switches and firewalls with high transmission rate are commissioned, where device and link redundancy has been maintained at every level to ensure un-interrupted ICT services to users. Gigabit Access Network has also been commissioned to ensure high-speed computing at user end, where access switches of high switching capacity are installed to handle data and multimedia traffic, efficiently. Proper NMS server installed to monitor and manage the whole network infrastructure, which can send alert on any fault, performance bottleneck and/or security issues.

Wireless Mesh Network

A secured Wi-Fi mesh network has been implemented throughout the campus. Wireless indoor and outdoor Access Points (APs) have been installed to give internet/intranet access to students, faculty and staff employs latest wireless protocol 802.11n with each AP providing a bandwidth up to 300 Mbps to the users.

LIFE AT SZABIST

Newsletters

SZABIST publishes Newsletter on regular intervals from all its campuses to update about the activities taking place at the campuses.

ZABFM DIGITAL

(www.zabfm.org)

ZABFM digital is a streaming simulcast radio station exclusively to impart and disseminate education for the students around the world via www.zabfm.org and ZABFM DIGITAL (Play store). An initiative taken by Shaheed Zulifkar Ali Bhutto Institute of Science & Technology and it was a substantive step into the field of education. It is an honor for the nation as we are producing the talented and most efficient candidates in the form of great speakers to the nation along with the responsibility of spreading knowledge through the airwaves. The 24/7 programming schedule covers various subjects of life like, Career Counseling, Planning & Development, Education, Infotainment, Awareness, Research, Documentaries, Talk Shows, Sports, Travel, Science & Technology, Media, Culture & Society, Technology & Inventions, Info-tech and social order, etc.

Quality Enhancement Cell (QEC)

Quality Enhancement Cell at SZABIST is created to foster Institutional Effectiveness (IE), to support planning, policy formation, streamlining processes, decision making and critical academic initiatives of strategic importance to the institute in all core departments. QEC activities include promoting and developing QA processes for monitoring and evaluation of programs.

Student Support Services

The Student Support Services aim to provide students with a platform that allows them to conduct activities which work towards the development of a stronger, wiser and a more united student populace. It works to inculcate in young minds the values of unity, tolerance, inclusion and leadership and through engagement with other campuses of SZABIST and universities across the country realize the objectives of our core areas of focus, nationally as well.

The Student Support Services has an Office of Student Advisory and the Student Career Services and Alumni Relations working under it.

The Office of Student Advisory

The Office of Student Advisory / Affairs provides guidance on all extra-curricular activities that take place on campus. The Student Affairs Advisor:

- Manages and supervises overall activities of Student Societies and SZABIST Student Council (SSC) at SZABIST.
- Acts as a liaison between the SSC and the management of SZABIST University, Islamabad campus.
- Ensures that SSC and its societies' activities are held in compliance with the SSC constitution, financial and administrative procedures and SZABIST management guidelines.
- Arranges student activities within and outside campus through Activities Coordinators and staff of the Department of Student Support Services.
- Counsels students regarding their behaviour and general guidance and helps them to understand their potential and ways to pursue their goals.
- Certain cases may be referred to Head of Student Support Services or Vice President (Academics)/HoC.

SZABIST Student Council (SSC)

Established in 2015, SSC has been a union of hardworking, ambitious and talented students across all programs of SZABIST and elected under the Election Commission of SZABIST. The selection of SSC workforce is by means of rigorous process on an annual basis to form the student government at the institute, under the supervision of Student Advisor.

SSC aims at helping to explore the talents of all students whilst, along with playing an intermediary role between the administration and student body at large, working towards adding value to student life at SZABIST.

Moreover, it organizes and hosts seasonal entertainment events to encourage networking among students, staff members and the faculty. Along with entertainment, SSC has history of organizing various Conferences, Seminars and Workshops to connect students with the industry and learn from their experiences.

Structure of SSC

The SSC is an elected student body that is comprised of the Executive Branch (EB), Council of Common Interests (or Program Representatives), General Body and Societies Committee.

The Executive Branch of the SSC consists of elected members to serve as President, Vice President, General Secretary, Treasurer, Secretary Legal, Secretary Operations, Secretary Resource Mobilization, Secretary Media and Communication and Secretary Projects and Training.

LIFE AT SZABIST

The Five Pillars of SSC

The SSC and all its student associations and clubs fall under the purview of and are registered with, the Office of Student Advisory once they are formed. The SSC has 5 thematic pillars, under which different students' societies and projects operate. Each society offers engaging events and programs for the students at SZABIST. The 5 pillars and respective societies are mentioned below:

The Leadership Pillar cultivates a sense of self-awareness amongst students through the identification of core strengths, vision, aims and values to become a leader and effectively lead change, conflict resolution, team motivation and reflective thinking skills. The following societies/club are working under the leadership pillar:

1. ZABMUN Society
2. Character Building Society
3. MBA Club

The Sports Pillar enables students to achieve excellence in sports which increases physical health of students and improves team work, coordination, cooperation, and mental health. The Sports Society at SZABIST holds various activities to keep the students energetic and active. The following societies are working under the Sports pillar:

1. Sports Society
2. Gaming Society
3. Adventure Society
4. Society for Voluntarism

The Arts and Culture Pillar flows creative ethos of students with intellectual and aesthetic understanding of the craft and technique of theatre arts and humanity. The following societies are working under the Arts and Culture pillar:

1. Literature & Mushaira Society
2. Photography Society
3. Drama Society
4. Curtains Society
5. Literature & Debating Society
6. ZAB Life Club

The Community Service Pillar holds focal players in Pakistan's fight against climate change inculcating the message of sensitivity, inclusivity and equality in all activities. The following societies are working under the Community Service pillar:

1. Environment & Climate Change Society
2. SZABIST Social Sciences Society

3. Community Services & CSR Society
4. Wellness Clinic
5. Z4S SZABIST for Sustainability Society

The Professional and Technical Pillar develops a set of professional skills which refine and improve the technical skills of mathematics, science and engineering onto different areas such as economic, environmental, social, political and sustainable development. The following societies are working under the Professional and Technical pillar:

1. IEEE Society
2. Entrepreneurship Society
3. Media Society
4. CS-SE Society
5. Social Science Society
6. Google Developers Student Club
7. Finance Club
8. Microsoft Learn Student Ambassador Community

All student associations, clubs and student societies are formed as per a prescribed procedure working under the aegis of the SZABIST Student Council. Student Council members have rock solid history of conceptualizing and leading projects and events which work to advance the social and civic development of not only the student body but also of the community.

SZABIST Student Career Services

The office of Student Career Services works simultaneously to facilitate graduating students. Its core responsibility is to help graduating students and support them in building their careers.

SZABIST Student Career Services (SCS)

Student Career Services at SZABIST University facilitates students in completing their degree requirements, professional development, and job/internship placements.

Throughout academic tenure, the students are encouraged to attend customized trainings, personal development programs, webinars, corporate workshops, mock interviews and presentations by industry experts who share their experiences to help them understand the transition from campus to the corporate world.

The Office has developed a comprehensive and diverse program to ensure that students have a seamless transition from university life to the professional world as per their individual interests and aspirations.

LIFE AT SZABIST

Student Career Services compiles graduating students' profiles and publishes the annual graduate directory in order to provide SZABIST graduates to credible organizations.

Job & Internship Placements

In collaboration with the industry, Student Career Services at SZABIST University arranges job/internship recruitment drives and management trainee programs by reputable national and multinational companies. SCS facilitates students for internships and job openings in the corporate sector throughout the year.

An annual "Career Fair" is held in the beginning of every year at the campus in which leading companies are invited to discuss their recruitment policies and procedures, their current resource requirements and future vacancies. The students receive an opportunity to interact with company representatives directly

To bridge the gap between classroom and market, SZABIST University has instituted a mandatory internship program to fulfil the requirement according to the Higher Education Commission of Pakistan. Apart from enabling students to get the feel of an office environment, internships expose them to potential employers for possible recruitment.

Eligibility for Internship

- Masters Degree students: At least two semesters completed at SZABIST University.
- Bachelors degree students: At least six semesters completed at SZABIST University.
- Minimum duration of internship is six weeks.
- Preference is given to those students who are about to graduate and need an internship as a pre-requisite for their degree completion.

University Advancement & Alumni (DUA&A)

The Department of University Advancement & Alumni (DUA&A) at SZABIST is committed to strengthen the University's financial sustainability, reputation, and stakeholder engagement through strategic external relations. By fostering meaningful connections with alumni, corporate partners, donors, and other external bodies, the department supports institutional growth and long-term development. Through effective fundraising, partnerships, and branding initiatives, DUA&A enhances SZABIST's visibility and impact in the higher education landscape.

SZABIST University takes pride in being an active member of various prestigious national and international associations, reflecting its commitment to academic

excellence and global engagement. Over the years, SZABIST has developed strong collaborations, articulation agreements, and academic partnerships with several renowned institutions and organizations to enhance academic standards, research, and student/faculty development.

Alumni Relations at SZABIST, serves as a vital bridge between the University and its graduates, fostering lifelong connections through reunions, networking events, and professional development opportunities.

The SZABIST Alumni Global Association (SAGA) empowers alumni with platforms for engagement, knowledge-sharing, and career growth. Through continuous communication and collaborative initiatives, the department keeps alumni connected and involved in shaping the University's ongoing success and legacy.

ZABSolutions

SZABIST has its own software house that fulfills the software needs of the SZABIST. The state-of-the-art applications that ZABSolutions has developed and evolved are successfully supporting and fueling the complete academic process of the SZABIST. The documentation process flow with students progression at SZABIST from filling the online admission form to the printing of transcript and degree and profiles of each student is available on ZAB LMS (ZAB Learning Management System). Several educational institutions in Pakistan have shown their interest in ZAB LMS.

The ZABSolutions incubator help students foster their software skills. Students can access ZABSolutions' resources and knowledge to develop their skills and competencies, which are important to compete in the market. Following are the objectives of the incubator:

1. Provide a practical framework for knowledge and technology transfer to the students
2. Develop the confidence and competencies for building e-firms
3. Involve students in software research and development
4. Enhance partnership between industry and academia
5. Provide faculty and the students with innovative support facilities

External Relations and Financial Assistance (ERFA)

External Relations and Financial Assistance (ERFA) Department at SZABIST University plays a vital role in ensuring educational accessibility through diverse financial support initiatives. ERFA actively builds partnerships with esteemed organizations, donor

LIFE AT SZABIST

agencies, and institutions to create academic opportunities for students and strengthen SZABIST Universities global linkages. The department administers a wide range of SZABIST-funded and donor-funded scholarships, interest-free loans, and financial aid programs to support deserving and talented students. Through its dual focus on external relations and student financial assistance, ERFA serves as a bridge between SZABIST and the wider corporate and social community empowering students to pursue their education without financial barriers and positioning SZABIST as a globally connected and socially responsible university.

Research, Training, and Linkages (RTL)

RTL department is engaged in supporting research initiatives within the Faculty of Management Science (FMS), organizing symposiums, domestic colloquiums, and international conferences, recording faculty research data, and executing funded research projects. RTL conducts faculty training in-house through its own or external resources and develops the capacity of the faculty members for domain specific knowledge, research, and case studies by organizing or sending them to seminars, webinars, training or workshops, and conferences, and supporting them in doing any certificate courses physically or virtually. RTL offers organizational or corporate training and consultancy services by involving external experts and faculty members from any department/faculty and campus at SZABIST University. It develops mutually beneficial linkages with academia, industry-academia, professional bodies or associations, and co-organizes corporate social responsibility (CSR) campaigns and events with them.

National and International Linkages and Collaborations

SZABIST University is a registered member of the following international and national associations: Moreover, SZABIST has signed MoUs, articulation and collaboration agreements with the following national and international universities and institutions:

1. Association of Chartered Certified Accountants ACCA, UK

This MoU provides exemption from ACCA papers to graduates of SZABIST in Bachelors of Business Administration (BBA) and BS Accounting & Finance.

2. Balochistan Education Endowment Fund Scholarship.

Under this MoU, Government of Balochistan is providing fully funded scholarship to 5-6 meritorious and financially needy students of SZABIST who are local

domicile certificate holders of Balochistan. The scholarship covers the entire duration of the degree program.

3. CISCO Networking Academy

SZABIST Karachi Campus is an authorized CISCO Network Academy to conduct IT-essentials, CCNA routing & switching, and CCNA security certifications.

4. Coventry University, UK

Through this MoU, SZABIST students enrolled in Bachelors of Arts in Business Studies (BABS) are conferred Coventry University degree on completing two years of education at SZABIST and one year at Coventry University, UK.

5. Leverify, LLC.

SZABIST Islamabad signed MoU with Leverify, LLC, on October 07, 2022. This MoU aims to highlight the importance of collaboration between industry and academia that promotes innovation and growth in technology. Industry partnerships are instrumental in advancing research and creating a skilled workforce.

6. Universiti Teknologi MARA UiTM, Malaysia

SZABIST Islamabad signed MoU with Universiti Teknologi MARA (UiTM), Malaysia, on November 14, 2022. This MOU aims to enable collaboration in faculty and student exchange, collaborative research, co-teaching, professional training, joint industrial projects, and knowledge creation in the joint pursuit of quality education.

7. Mitsubishi Corporation, Japan

Mitsubishi Corporation through this MoU provides 100% scholarship to the students enrolled in the Media Science BSMS program annually.

8. Islamabad Traffic Police

SZABIST Islamabad signed MoU with Islamabad Traffic Police (ITP) on December 20, 2022, aiming to establish a relationship between SZABIST and ITP officials. SZABIST students will visit different educational institutions in Islamabad to deliver presentations/ lectures on road safety to students, professionals and non-professional drivers. Volunteer students will be made aware of radio-related affairs, production, recording and other aspects of FM 92.4 radio.

9. Stand for Peace Trust

SZABIST Islamabad signed MoU with Stand for Peace Trust (SFP) on February 7, 2023. The purpose of this MoU was to organize and manage the workshops on Environmental Management, New Environment

LIFE AT SZABIST

Technologies, and Environmental Challenges and organize large-scale Plantation Drives. SZABIST Students get exposure to work with Environmental Research Specialists, field experiences, surveys, etc.

10. Fauji Foundation Overseas Employment Services (FFOES)

SZABIST Islamabad signed MoU with Fauji Foundation Overseas Employment Services (FF OES) on May 29, 2023. The primary objective of this collaboration is to generate employment opportunities, with a specific focus on the IT sector, for both alumni and referred candidates. Both institutions are working to cooperate, benefiting the candidates' careers, and fostering a stronger relationship between SZABIST Islamabad and Fauji Foundation.

11. International Consulting Associates Pvt. Limited

SZABIST Islamabad signed MoU with International Consulting Associates Pvt. Limited on June 23, 2023. This partnership aims to train and employ 1,500 young individuals from Sindh in cutting-edge digital skills and internet e-commerce technologies under the Youth Education, Employment & Empowerment Project (YEEP) in Sindh.

12. The Chartered Institute of Logistics and Transport (CILT), UK

The Chartered Institute of Logistics & Transport (CILT) is the leading professional body associated with logistics and transport, having over 35,000 members in over 100 countries worldwide. SZABIST has signed a MoA with CILT for launching a Levels 5 Professional Diploma in logistics and transport. To attain this Diploma, a total of five mandatory courses have to be completed.

13. University of London, UK

SZABIST is a registered center of University of London for giving tuitions for its LLB program.

14. Chartered Institute of Management Accountants (CIMA)

SZABIST BSAF, BBA, BABS, BSENT, EMBA, and MBA (non-finance electives) students and alumni will be exempt from all 13 courses and will only attempt three case studies. MBA students with finance electives and BS (Accounting & Finance) alumni will be exempt from all 13 courses and operational-level case studies and will only attempt two case studies. BSAF students are exempted from all 13 courses of Chartered Institute of Management Accountants (CIMA) qualification, and are only required to pass three case studies.

15. Institute of Chartered Accountants of Pakistan (ICAP)

As per agreement, Graduates of BS (A & F) will get

exemptions in nine papers of Institute of Chartered Accountants of Pakistan (ICAP).

SZABIST also offers 2.5-year Bachelor of Science (Accounting & Finance) program exclusively for CAF qualified students of the Institute of Chartered Accountants of Pakistan (ICAP). CAF qualified students are exempted from 60 credit hours / 20 course while they have to complete remaining 78 credit hours (26 courses) and a 6 credit hours Final Year Project.

16. Greenstar Social Marketing Pakistan Limited

Through this MoU, SZABIST and Greenstar Social Marketing have decided to collaborate in research pertaining to Family planning and child health.

17. Iqra University, Islamabad

A Memorandum of Understanding was signed between SZABIST Islamabad and Iqra University Islamabad on June 23, 2021 to organise guest lectures seminars, and training sessions of mutual interest.

18. Shifa Foundation, Islamabad

SZABIST Islamabad signed an MoU with Shifa Foundation on August 03, 2021 to engage students in community development and other environmental programs while honorary internships (general and clinical) would be provided to SZABIST students.

19. Subway Centaurus, Islamabad

Subway Centaurus and SZABIST Islamabad signed a memorandum of understanding on September 10, 2021 to collaborate in joint market research projects, Special discount will be given to SZABIST employees and students.

20. SZABIST and PMI

SZABIST, Islamabad took a giant step forward on June 3rd, 2016 towards enhancing the Project Management program by signing an MoU with Project Management Institute Islamabad Chapter Pakistan (PMI-IPC) for promoting cooperation in exchange of information, joint research and development of academic programs concerning Project Management, and also exchange of experts and researchers. The strategic partnership is expected to be a way forward in bridging the gap between industry and academia.

21. Higher Education Commission (HEC)

SZABIST signed MOU with HEC on January 15th, 2019 for establishing EDUTV of HEC with studio departments of five universities including SZABIST. SZABIST and HEC ensured continued support on agreed scope of cooperation.

LIFE AT SZABIST

22. Pakistan Centre for Philanthropy (PCP)

SZABIST signed MOU with PCP on March 27th, 2019 to promote collaboration in academic research and to showcase Pakistani nonprofits through various means including video documentation. The parties will plan educational and training activities of mutual interest. It also aims to provide internship opportunities at PCP to graduate students of SZABIST.

23. Pakistan Air Force (PAF) Hospital, Islamabad

SZABIST Islamabad signed MoU with PAF Hospital on October 21st, 2021. The PAF hospital will provide OPD/IPD services to the SZABIST employees and staff at discounted rates. The PAF Hospital provides General and Clinical Internships to the students of SZABIST, Both parties agreed to collaborate for organizing awareness seminars, professional trainings, and conferences.

24. Nishan Rehab Pakistan

SZABIST Islamabad signed an MoU with Nishan Rehab Pakistan on January 12th, 2022 for engagement of students in areas of anti-smoking campaigns, awareness of drug addiction, and the role of youth in prevention of substance abuse disorders. Collaboration with Nishan Rehab will train students of BS/MS Clinical Psychology on 9 basic Universal Treatment Curriculums (UTCs) published by NAADAC (National Association of Alcohol and Drug Abuse Counselors) USA. Through this training, students will be capable to undertake the exam of ICAP (Internationally Certified Addiction Professionals). Furthermore, placement of Clinical Psychology students to get hands-on experience in domains of drug rehabilitation, family therapy, and therapeutic sessions for personality disorders and bipolar-related disorders, etc.

25. Rawalpindi Chamber of Commerce & Industry (RCCI)

SZABIST Islamabad signed an MoU with the Rawalpindi Chamber of Commerce & Industry (RCCI) on July 27th, 2017. Both parties agreed to work on the promotion of "Action-Based Research" concerning industry-related issues and challenges. Students will also visit industrial partners for business plans and entrepreneurial activities. Moreover, faculty and student development initiatives will also be taken in knowledge-sharing forums.

26. HADI Worldwide, Islamabad

A memorandum of agreement was signed with HADI Worldwide, Islamabad on December 17th, 2021 with the objective to leverage each other's strengths including human resources, equipment, venue, linkages, ideas, capabilities, opportunities, services, etc. and contributing to the effectiveness and sustainability of the educational, employability, and job production landscape of Pakistan.

27. P@SHA Islamabad

SZABIST Islamabad signed MoU with P@SHA Islamabad on January 11, 2022 aiming to hire P@SHA-recommended industry trainer and provide digital material access to students for the industry-oriented courses. P@SHA agreed to provide support in setting standards for the Final Year Projects to enhance the quality of development, documentation, and successful deployment. Support in access to the industry network for matching industry projects to students and faculty of SZABIST with IT and Its companies.

28. Islamic Relief Pakistan

SZABIST Islamabad signed MoU with Islamic Relief Pakistan on January 12th, 2022. Islamic Relief Pakistan and the SZABIST will endeavor to assist and support each other in the research and development and also to explore mutually beneficial, community-based research projects, and to develop appropriate innovative communication linkages to facilitate information transfer. It is also mutually agreed that both parties will participate in conference(s) and seminar(s) and capacity-building workshops.

29. Pakistan Red Crescent Society (PRC)

SZABIST Islamabad signed MoU with the Pakistan Red Crescent Society (PRC) on August 17, 2023. The purpose of this MoU is to participate in national/ international events, trainings, demonstrations, workshops, seminars and camps. The students get exposure to work with the professionals in Blood Donation Camps to cope with natural and man-made disasters i.e. thalassemia, hemophilia, and cancer.

30. Zahid Latif Khan Securities (ZLKS)

On October 23, 2023, SZABIST Islamabad signed MoU with Zahid Latif Khan Securities (ZLKS). The main aim of this MoU is to offer internship and job opportunities to the students. ZLKS will support the students and faculty in conducting Business Research Projects and Community Research Services. Additionally, SZABIST students will gain exposure to the financial market, trading, and investment through this collaboration. ZLKS will also provide a volunteer program, coaching, and mentorship to the students.

31. Pakistan Institute of Development Economics (PIDE)

SZABIST University, Islamabad Campus, signed a Memorandum of Understanding (MoU) with the Pakistan Institute of Development Economics (PIDE) on October 3, 2024. This agreement fosters research, knowledge exchange, and academic collaboration. PIDE's initiative, 'Research for Social Transformation and Advancement' (RASTA), is Pakistan's largest social sciences research

LIFE AT SZABIST

network, aiming to build a strong research culture and produce evidence-based policy research for public policy.

32. OIC- COMSTECH

SZABIST University in Karachi and Islamabad signed a Memorandum of Understanding (MoU) with OIC-COMSTECH on July 22, 2025, to foster collaboration in science, technology, and innovation. The agreement includes workshops, conferences, and grants, along with SZABIST's associate membership in the COMSTECH Consortium of Excellence. COMSTECH will also support programs for young researchers and students from OIC Member Countries, particularly in Africa, to conduct research and study at SZABIST for 6 to 12 months.



33. Pakistan Institute for Parliamentary Services (PIPS)

SZABIST University in Karachi and Islamabad signed a Memorandum of Understanding (MoU) with the Pakistan Institute for Parliamentary Services (PIPS) on September 10, 2025. They will collaborate on international relations challenges by organizing educational events, sharing research data, exchanging trainers, conducting joint research, and promoting parliamentary studies.



34. Orange Tree Foundation (OTF)

SZABIST University in Karachi & Islamabad signed a Memorandum of Understanding (MoU) with Orange Tree Foundation – OTF on October 01, 2025. The Purpose of this MoU is to set up a financial framework of Cooperation between OTF and SZABIST University, whereby the two can make collective efforts using efficient and effective means, by providing Need-Cum Merit-Based Higher Education Scholarship to high-merit and deserving students pursuing quality education at SZABIST University.



FACULTY OF MANAGEMENT SCIENCES



VISION

SZABIST Faculty of Management Sciences aspires to become one of the leading entities for excellence in business education, service, research and innovation.

MISSION

SZABIST Faculty of Management Sciences is committed to:

- Produce highly qualified business professionals to meet dynamic and challenging contemporary needs;
- Generate knowledge and expertise for business and economic solutions through research;
- Create an enabling environment for corporate and entrepreneurial outlook;
- Serve the community through students, faculty, and alums.

FACULTY OF MANAGEMENT SCIENCES

BBA

SZABIST offers a four-year (eight semesters) BBA degree program of 146 credit hours. This is SZABIST's flagship program. To obtain the BBA degree, students are required to complete 49 courses, 03 credit hours Business Project, 02 credit hours Community Service Project and 03 credit hours graded internship. The students will take 4 Program Elective courses from Management, Marketing, Finance, Entrepreneurship or Supply Chain Management. The maximum time limit to complete the BBA degree is six years, offering flexibility to students. BBA program is an ACCA accredited program; those who complete BBA from SZABIST, will get an exemption in 05 out of 09 ACCA Foundation papers (F1, F2, F3, F7 and F9). BBA Program has been accredited by National Business Education Accreditation Council (NBEAC) and is also affiliated with Chartered Financial Analyst (CFA) Institute.

BBA CURRICULUM

Codes	Course Title	Cr.Hrs.	Pre-Req.
First Year			
Semester - I			
BA 1108	IT in Business	3	----
BA 1109	Personal Management and Communication	3	----
BA 1203	Management Principles	3	----
BA 1206	Oral Communication and Presentation Skills	3	----
BA 1122	Islamic Studies /Humanities	2	----
BA 2313	Sociology	2	----
BA 1215	Ideology and Constitution of Pakistan	2	----
BA 1120	Understanding of Holy Quran-I (For Muslim Students only)	1	----
Sub-total		19	
Semester - II			
BA 1101	Introduction to Accounting	3	----
BA 1102	Microeconomics	3	----
BA 1105	English Writing Skills	3	----
BA 1204	Math for Business	3	----
BA 2403	Business Ethics	3	----
BA 2312	Human Behavior	3	----
BA 1220	Understanding of Holy Quran-II (For Muslim Students only)	1	BA 1120
BA xxxx	Ethics and Morality (For Non-Muslim Students only)	2	----
Sub-total		(19/20)	
Second Year			
Semester - III			
BA 1201	Financial Accounting	3	BA 1101
BA 1211	Logic and Critical Thinking	3	BA 1105
BA 3504	Organizational Behavior	3	BA 2312
BA 2303	Marketing Principles	3	BA 1203
BA 1202	Macroeconomics	3	BA 1102
BA 2406	Business and Electronic Communication	3	BA 1206
Sub-total		18	
Semester - IV			
BA 2311	Business Statistics	3	BA 1204
BA 2411	Cost and Management Accounting	3	BA 1201
BA 3502	Entrepreneurship	3	BA 1203
BA 2413	Consumer Behavior	2	BA 2303
BA 2415	Community Service Project	2	----
BA 2418	Pakistan Studies	2	----
BA xxxx	Natural Science Elective (as offered by Campus)	3	----
Sub-total		18	

FACULTY OF MANAGEMENT SCIENCES

Third Year			
Codes	Course Title	Cr.Hrs.	Pre-Req.
Semester - V			
BA 2301	Introduction to Business Finance	3	BA 1201
BA 3501	Financial Markets and Institutions	3	BA 1201
BA 3508	Media Management	3	BA 2303
BA 3605	Statistical Inference	3	BA 2311
BA 4706	Development Economics	3	BA 1202
BA xxxx	University Elective (as offered by Campus)	3	----
Sub-total		18	
Semester - VI			
BA 3601	Financial Management	3	BA 2301
BA 3602	Marketing Management	3	BA 2303
BA 3603	Business Research Methods	3	BA 3605
BA 3607	Operations Management	3	BA 1203
BA 3630	Human Resource Management	3	BA 3504
BA 4804	Internship/Field Experience	3	----
Sub-total		18	
Fourth Year			
Semester - VII			
BA 2402	Retail Management	3	BA 2303
BA 3609	Pakistan Economy	3	BA 4706
BA 4704	Management Information Systems	3	BA 1108
BA 4705	Services Marketing	3	BA 3602
BA xxxx	Program Elective-I	3	----
BA xxxx	Program Elective-II	3	----
Sub-total		18	
Semester - VIII			
BA 3505	Quantitative Skills	3	BA 1204
BA 4710	Business Project	3	BA 3606
BA 4801	Law and Taxation	3	BA 1211
BA 4814	Project Management	3	BA 3607
BA xxxx	Program Elective-III	3	----
BA xxxx	Program Elective-IV	3	----
Sub-total		18	
Total		146	

Graded Internship/Field Experience

The students will be required to complete a graded internship of minimum 6 weeks in 6th semester or in summers after the 6th semester or program relevant field experience of minimum 06 months duration to qualify for the degree.

UNIVERSITY ELECTIVE

(To be offered by the campus as Compulsory courses)

BA 3506 Foreign Languages

BA 3512 Cooperative Societies

BA 3515 Graphic Design for Multimedia*

BA 3519 Current Affairs

BA 3521 Auditing

BA 3522 Social Advocacy and Community Service

BA 3523 Software Tools for Business*

BA 3613 World Economy

BA 3614 Business Analysis and Forecasting*

BA 3619 Enterprise Management

FACULTY OF MANAGEMENT SCIENCES

BA 3621 Professional Development
BA 3622 e-Commerce*
BA 4701 Islamic Banking and Finance*
BA 4707 Marketing Research*
BA 4730 Fundamentals of Artificial Intelligence*

Natural Science Electives

(To be offered as Compulsory courses)

BA 3623 Agricultural Science
BA 3624 Ecology
BA 3625 Environmental Science
BA 3626 Theory of Science

Program Electives

Finance

BA 4115 Derivatives
BA 4214 Micro Finance
BA 4218 Financial Research
BA 4719 Investment Banking
BA 4724 Financial Modeling
BA 4727 Dynamics of Banking
BA 4735 Islamic Banking and Finance*
BA 4752 Financial Reporting and Analysis
BA 4769 Fintech
BA 4774 Alternative Investments
BA 4831 Portfolio and Investment Management
BA 4833 Security Analysis
BA 4834 Treasury and Funds Management
BA 4855 Financial Risk Analysis
BA 4867 Business Analysis and Forecasting*

Marketing

BA 4116 Supply Chain Management
BA 4125 Emerging Media
BA 4126 Trade Marketing
BA 4217 Experiential Marketing
BA 4721 Advertising
BA 4722 Brand Management
BA 4739 Export Marketing
BA 4762 Digital Marketing
BA 4815 Event Management
BA 4816 Industrial Marketing
BA 4821 Media Planning
BA 4824 Sales Management
BA 4836 Marketing Research*
BA 4842 Graphic Design for Multimedia*
BA 4859 Product Innovation and Design
BA 4866 Integrated Marketing Communications
BA 4868 Marketing Analytics
BA 4874 e-Commerce*

Supply Chain Management

BA 4116 Supply Chain Management
BA 4126 Trade Marketing
BA 4739 Export Marketing
BA 4742 Customer Relationship Management
BA 4764 Dynamics of Logistics and Distribution
BA 4768 Total Quality Management
BA 4824 Sales Management
BA 4859 Product Innovation and Design

Management

BA 4116 Supply Chain Management
BA 4117 Salary and Compensation
BA 4711 Change Management
BA 4712 Industrial Relations and Labor Laws
BA 4713 Leadership and Motivation Techniques
BA 4812 Recruitment and Selection
BA 4813 Training and Development
BA 4815 Event Management
BA 4826 Talent Management
BA 4837 Performance Appraisal
BA 4844 Operations Research

Entrepreneurship

BA 4775 SME Management
BA 4776 Technopreneurship
BA 4859 Product Innovation and Design
BA 4875 Digital Entrepreneurship
BA xxxx Finance and Taxation for Entrepreneurs
BA xxxx Entrepreneurial Marketing
BA xxxx Family Business Management
BA xxxx Financial Venture
BA xxxx Social Entrepreneurship

*University Elective can be taken as an Elective if not offered by the Campus as a compulsory course.

The Muslim students admitted in Fall 2025 and onwards are required to complete two compulsory courses of the Understanding of Holy Quran (one credit each) as part of their degree requirements. Non-Muslim students are required to complete the course of Ethics and Morality (2 credits).

All courses may not necessarily be offered every year. Alternate Courses may be substituted as and when required. All students are required to register for full load of 19 credits in the first semester.

FACULTY OF MANAGEMENT SCIENCES

BS Business Analytics

SZABIST University offers a four-year (eight semesters) BSBA degree program of 146 credit hours. This is an innovative program designed to blend business knowledge with advanced computing and analytical skills. For the BSBA program, students are required to complete 50 courses, 05 Labs, 03 credit hours Capstone Project, and 03 credit hours graded Internship. The students will take 4 Program Elective courses from the domain of Finance, Marketing, Human Resource Management (HRM), or Supply Chain Management (SCM). To obtain the BSBA degree, students must complete 146 credit hours. The maximum time limit to complete the BSBA degree is six years.

BS BUSINESS ANALYTICS CURRICULUM

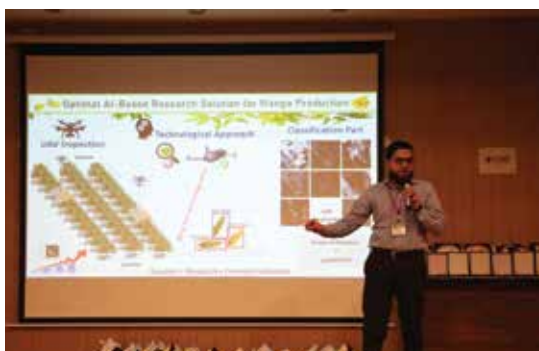
Codes	Course Title	Cr.Hrs.	Pre-Req.
First Year			
Semester - I			
BSA 1102	Fundamentals of IT & Business Analytics*	3	----
BSA 1101	English Writing Skills & OCPS	3	----
BSA 1106	Management Principles	3	----
BSA 1104	Introduction to Accounting	3	----
BSA 1105	Islamic Studies / Humanities	2	----
BSA 1210	Understanding of the Holy Quran-I (For Muslim Students only)	1	----
BSA 1107	Sociology	2	----
BSA 1103	Ideology and Constitution of Pakistan	2	----
Sub-total		19	
Semester - II			
BSA 1203	Financial Accounting	3	BSA 1104
BSA 1204	Marketing Principles	3	----
BSA 1202	Business and Technical Writing	3	BSA 1101
BSA 1205	Maths for Business	3	----
BSA 1201	Artificial Intelligence in Business*	3	----
BSA 1206	Programming for Business 1	2	----
BSAL 1206	Lab: Programming for Business 1	1	----
BSA 2410	Understanding of the Holy Quran-II (For Muslim Students only)	1	BSA 1210
BSA xxxx	Ethics and Morality (For Non-Muslim Students only)	2	
Sub-total		(19/20)	
Second Year			
Semester - III			
BSA 2302	Environmental Science and Sustainability for Business	3	----
BSA 2303	Logic, Critical Thinking and Decision Science	3	----
BSA 2305	Organizational Behaviour	3	BSA 1106
BSA 2304	Microeconomics	3	----
BSA 2301	Business Statistics	3	BSA 1205
BSA 2306	Programming for Business 2	2	BSA 1206
BSAL 2306	Lab: Programming for Business 2	1	BSA 1206
Sub-total		18	
Semester - IV			
BSA 2403	Data Structures & Business Applications*	3	BSA 2306
BSA 2404	Introduction to Business Finance	3	----
BSA 2401	Calculus for Business	3	BSA 1205
BSA 2402	Community Service Project/Civic Engagement	2	----
BSA 2407	Technopreneurship/Entrepreneurship and Innovation in Analytics	2	----
BSA 2406	Pakistan Studies	2	----
BSA 2405	Macroeconomics	3	BSA 2304
Sub-total		18	

* Lab based.

FACULTY OF MANAGEMENT SCIENCES

Codes	Course Title	Cr.Hrs.	Pre-Req.
Third Year			
Semester - V			
BSA 3502	Business Ethics	3	-----
BSA 3506	Marketing Management	3	BSA 1204
BSA 3503	Data Visualization and Storytelling	3	-----
BSA 3504	Database Management Systems for Business	2	BSA 2403
BSAL 3504	Lab: Database Management Systems for Business	1	BSA 2403
BSA 3505	Introduction to Econometrics	3	BSA 2301
BSA 3501	Advanced Business Analytics*	3	-----
Sub-total		18	
Semester - VI			
BSA 3604	Human Resource Management	3	BSA 2305
BSA 3605	Islamic Banking and Finance	3	-----
BSA 3602	Business Research Methods	3	-----
BSA 3606	Predictive Analytics for Business*	3	-----
BSA 3603	Financial Management	3	BSA 2404
BSA 3610	Internship/Field Experience	3	-----
Sub-total		18	
Fourth Year			
Semester - VII			
BSA 4701	Business Intelligence Tools and Techniques for Big Data*	3	BSA 3606
BSA 4703	Machine Learning for Business Analytics	2	BSA 3606
BSAL 4703	Lab: Machine Learning for Business Analytics	1	BSA 3606
BSA 4702	Capstone/Business Project	3	-----
BSA 4704	Services Marketing	3	-----
BSA 4xxx	Program Elective-I	3	-----
BSA 4xxx	Program Elective-II	3	-----
Sub-total		18	
Semester - VIII			
BSA 4803	Project Management	3	-----
BSA 4802	Business Forecasting and Simulation*	3	-----
BSA 4801	Business Data and Text Mining	2	BSA 4703
BSAL 4801	Lab: Business Data and Text Mining	1	BSA 4703
BSA 4804	Auditing	3	-----
BSA 4xxx	Program Elective-III	3	-----
BSA 4xxx	Program Elective-IV	3	-----
Sub-total		18	
		Total	146

* Lab based.



FACULTY OF MANAGEMENT SCIENCES

University Electives

Finance Electives

- BSA 4731 Blockchain and Analytics
- BSA 4732 Financial Data Analytics
- BSA 4733 Forensic Analytics
- BSA 4734 Risk Analytics for Financial Services
- BSA 4831 Financial Modelling
- BSA 4832 FinTech
- BSA 4833 Financial Econometrics

Marketing Electives

- BSA 4771 Consumer Insights and Analytics
- BSA 4772 E-Commerce
- BSA 4773 Marketing Research
- BSA 4871 Digital Marketing
- BSA 4872 Marketing Analytics
- BSA 4873 Social Media Analytics

Supply Chain Management Electives

- BSA 4791 Dynamics of Logistics and Distribution
- BSA 4891 Supply Chain Management Analytics

HRM Electives

- BSA 4751 HR Analytics
- BSA 4752 Performance Management Analytics
- BSA 4851 Performance Appraisal

BSA 4852 Talent Management

BSAL xxxx is a lab-based course with a focus on hands-on learning using business tools and software. Regular lab attendance is essential.

Internship/Field Experience

The students will be required to complete a graded internship of minimum 6 weeks in 6th semester or submit proof of program relevant work experience of minimum 06 months duration to qualify for degree.

The Muslim students admitted in Fall 2025 and onwards are required to complete two compulsory courses of the Understanding of Holy Quran (one credit each) as part of their degree requirements. Non-Muslim students are required to complete the course of Ethics and Morality (2 credits).

All courses may not necessarily be offered every year. Alternate courses may be substituted when required. All students are required to register for full load of 19 credits in the first semester.

BS Accounting & Finance

BS A&F is a 4-year (8 semesters) program and consists of 146 credit hours. Students are required to complete 50 courses, 3 credit hours Capstone Project, and 3 credit hours graded internship to graduate. The maximum duration to complete this degree program is 6 years. Graduates of BS A&F will get exemptions in nine papers of both Institute of Chartered Accountants of Pakistan (ICAP) and Association of Chartered Certified Accountants (ACCA), UK. BSAF Program has been accredited by National Business Education Accreditation Council (NBEAC) and is also affiliated with Chartered Financial Analyst (CFA) Institute.

Students of BS A&F have the option to take:

- Finance as Major and Accounting as Minor
- Accounting as Major and Finance as Minor

BS ACCOUNTING & FINANCE (04 Years) CURRICULUM

Codes	Course Title	Cr.Hrs.	Pre-Req.
First Year			
Semester - I			
AF 1101	Business Mathematics	3	----
AF 1102	Computer Concepts and Applications	3	----
AF 1104	Introduction to Financial Accounting	3	----
AF 1108	Ideology and Constitution of Pakistan	2	----
AF 1109	English Comprehension & Oral Communication	3	----
AF 1111	Islamic Studies/Humanities	2	----
AF 1120	Understanding of Holy Quran-I (For Muslim Students only)	1	----
AF 1112	Sociology	2	----
Sub-total		19	

FACULTY OF MANAGEMENT SCIENCES

Codes	Course Title	Cr.Hrs.	Pre-Req.
Semester - II			
AF 1201	Advanced Financial Accounting	3	AF 1104
AF 1209	Pakistan Studies	2	----
AF 1211	Business Management	3	----
AF 1213	Human Behavior	2	----
AF 1214	Personal Management & Professional Development	2	----
AF 2301	Business and Technical English Writing	3	AF 1109
AF 2405	Principles of Microeconomics	3	----
AF 1220	Understanding of Holy Quran-II (For Muslim Students only)	1	AF 1120
AF xxxx	Ethics and Morality (For Non-Muslim Students only)	2	----
	Sub-total	(19/20)	

Second Year

Semester - III			
AF 1202	Calculus for Business Studies	3	AF 1101
AF 1212	Essentials of Marketing	3	----
AF 2302	Cost Accounting	3	AF 1201
AF 3501	Accounting and Financial Information Systems	3	----
AF 3505	Principles of Macroeconomics	3	AF 2405
AF 4703	Introduction to Business Finance	3	----
	Sub-total	18	

Semester - IV

AF 2401	Management Accounting	3	AF 2302
AF 2404	Money and Banking	3	AF 3505
AF 2406	Statistics and Probability	3	----
AF 2411	Entrepreneurship	3	----
AF 3503	Business Ethics	3	AF 1211
AF 4xxx	Natural Science Elective	3	----
	Sub-total	18	

Third Year

Semester - V			
AF 3506	Statistical Inference	3	----
AF 3507	Financial Institutes and Markets	3	AF 2404
AF 3511	Auditing -I	3	----
AF 3606	Taxation	3	----
AF 3607	Corporate Accounting	3	AF 2401
AF 3608	Islamic Banking and Finance	3	----
	Sub-total	18	

Semester - VI

AF 2408	Business Analysis and Forecasting	3	AF 3506
AF 3605	Financial Reporting	3	AF 3607
AF 3609	Business Research Methodologies	3	----
AF 3611	Auditing-II	3	AF 3511
AF 4702	Financial Management	3	----
AF 4812	Internship/Field Experience	3	----
	Sub-total	18	

FACULTY OF MANAGEMENT SCIENCES

Fourth Year			
Semester - VII			
AF 2305	Organizational Behavior	3	----
AF 4701	Business and Labor Law	3	----
AF 4712	Capstone Project	3	----
AF 4801	Corporate Finance	3	AF 4702
AF 4xxx	Finance / Accounting Elective-I	3	----
AF 4xxx	Finance / Accounting Elective-II	3	----
Sub-total		18	
Semester - VIII			
AF 4807	Marketing of Financial Services	3	----
AF 4707	Company Law	3	----
AF 4711	e-Commerce and Management Information System	3	----
AF 4806	Human Resource Management	3	AF 2305
AF 4xxx	Finance / Accounting Elective-III	3	----
AF 4xxx	Finance / Accounting Elective-IV	3	----
Sub-total		18	
Grand Total		146	

Bachelor of Science in Accounting & Finance (BS A&F) 2.5-Year Program

SZABIST also offers 2.5-year Bachelor of Science in Accounting & Finance (BS A&F-2.5) program exclusively for CAF qualified students of the Institute of Chartered Accountants of Pakistan (ICAP). CAF qualified students are exempted from 60 credit hours (20 courses) of course work and have to complete 86 credit hours (30 courses), 3 credit hours Capstone Project, and 3 credit hours graded internship.

Students of BS A&F have the option to take:

- Finance as Major and Accounting as Minor /
- Accounting as Major and Finance as Minor

BS ACCOUNTING & FINANCE (2.5 Years) CURRICULUM

Codes	Course Title	Cr.Hrs.	Pre-Req.
First Year			
Semester - I			
AF 1108	Ideology and Constitution of Pakistan	2	----
AF 1111	Islamic Studies/Humanities	2	----
AF 1112	Sociology	2	----
AF 1202	Calculus for Business Studies	3	----
AF 1209	Pakistan Studies	2	----
AF 1213	Human Behavior	2	----
AF 2409	Personal Management & Professional Development	2	----
AF 3503	Business Ethics	3	----
AF 1120	Understanding of Holy Quran-I (For Muslim Students only)	1	----
Sub-total		19	
Semester - II			
AF 2401	Management Accounting	3	----
AF 2404	Money and Banking	3	----
AF 1411	Entrepreneurship	3	----
AF 3501	Accounting and Financial Information Systems	3	----
AF 3506	Statistical Inference	3	----
AF 4702	Financial Management	3	----
AF 1220	Understanding of Holy Quran-II (For Muslim Students only)	1	AF 1120
AF xxxx	Ethics and Morality-II (For Non-Muslim Students only)	2	----
Sub-total		(19/20)	

FACULTY OF MANAGEMENT SCIENCES

Second Year

Semester - III

AF 1212	Essentials of Marketing	3	----
AF 2408	Business Analysis and Forecasting	3	----
AF 3507	Financial Institutes and Markets	3	----
AF 3608	Islamic Banking and Finance	3	----
AF 4801	Corporate Finance	3	----
AF xxxx	Natural Science Elective	3	----
Sub-total		18	

Semester - IV

AF 3609	Business Research Methodologies	3	----
AF 4806	Human Resource Management	3	----
AF 4812	Internship/Field Experience	3	----
AF 4xxx	Finance/Accounting Elective-I	3	----
AF 4xxx	Finance/Accounting Elective-II	3	----
Sub-total		15	

Third Year

Semester - V

AF 4807	Marketing of Financial Services	3	----
AF 4711	e-Commerce and Management Information System	3	----
AF 4712	Capstone Project	3	----
AF 4xxx	Finance/Accounting Elective-III	3	----
AF 4xxx	Finance/Accounting Elective-IV	3	----
Sub-total		15	

Minor and Major courses for BSAF-4 year and 2.5 year programs

Accounting Minor Courses

AF 2302	Cost Accounting
AF 2401	Management Accounting
AF 3605	Financial Reporting
AF 3607	Corporate Accounting

Finance Minor Courses

AF 3606	Taxation
AF 3608	Islamic Banking and Finance
AF 4702	Financial Management
AF 4703	Introduction to Business Finance

PROGRAM ELECTIVES

Accounting Major

AF 4721	Advanced Audit and Assurance
AF 4722	Advanced Performance Management
AF 4723	Forensic Accounting
AF 4732	Tax Crime and Fraud Investigation
AF 4735	Accounting for Islamic Finance
AF 4821	Public Sector Accounting
AF 4822	Strategic Business Reporting
AF 4831	Forensic Analytics
AF 4835	Advanced Taxation
AF xxxx	Sustainability Accounting & Reporting

Finance Major

AF 4724	Advanced Financial Management
AF 4725	Analysis of Investment and Management of Portfolios
AF 4726	Behavioral Finance
AF 4727	Dynamics of Banking
AF 4728	Financial Modeling
AF 4729	Financial Econometrics
AF 4731	Fraud and Risk Management in Financial Institutions
AF 4733	Alternative Investments
AF 4734	Financial Derivatives
AF 4823	Financial Risk Analysis
AF 4824	Financing of SME
AF 4825	International Finance
AF 4826	Quantitative Data Analysis
AF 4828	Treasury and Funds Management
AF 4829	Fintech
AF 4832	Financial Data Analytics
AF 4833	Investment Banking
AF 4834	Islamic Insurance-Takaful

Natural Science Electives are:

AF 1116	Agricultural Science
AF 1117	Ecology
AF 1118	Environmental Science
AF 1119	Theory of Science

FACULTY OF MANAGEMENT SCIENCES

Graded Internship/Field Experience

The BSAF 4-Year students will be required to complete a graded internship of minimum 6 weeks in 6th semester or in summers after the 6th semester and BSAF-2.5 Year students will be required to complete a graded internship of minimum 6 weeks in 4th semester or in summer after the 4th semester or program relevant field experience of minimum 06 months duration as per HEC Undergraduate Policy 2023 to qualify for the degree.

The Muslim students admitted in Fall 2025 and onwards are required to complete two compulsory courses of the Understanding of Holy Quran (one credit each) as part of their degree requirements. Non-Muslim students are required to complete the course of Ethics and Morality (2 credits).

All courses may not necessarily be offered every year. Alternate courses may be substituted as and when needed. All students are required to register for full load of 19 credits in first semester.



MBA Program

For students with 4-year undergraduate degree/16-years of education, the minimum duration of the MBA program is 2 years. To obtain the MBA degree, the students are required to complete 74 credits including Twenty-two courses (03 credits each), two compulsory courses of the Understanding of Holy Quran for Muslim students (one-credit-hour each) or Ethics and Morality for Non-Muslim students (02 credits) and 6 credit hours of Research Project or Thesis spread over two semesters (3+3). Students are also required to complete a six-week internship. The maximum duration to complete MBA program is 4 years.

MBA Program is accredited by National Business Education Accreditation Council (NBEAC).

MBA (non-finance electives) students and alumni are exempted from all 13 courses of Chartered Institute of Management Accountants (CIMA) qualification, and are only required to pass three case studies. MBA students with finance electives and alumni are exempted from all 13 courses and operational-level case studies and will only attempt two case studies.

MBA CURRICULUM

Codes	Course Title	Cr. Hrs.	Pre-Req.
First Year			
Semester - I			
BA 5102	Managerial Economics*	03	-----
BA 5106	Marketing Management*	03	-----
BA 5210	Understanding of Holy Quran-I (For Muslim Students only)	01	-----
BA 5321	Business Statistics and Analytics*	03	-----
BA 5322	Financial Accounting for Managers *	03	-----
BA 5323	Management and Organizational Behavior*	03	-----
BA 5418	Managerial Communication*	03	-----
Sub-total		19	

FACULTY OF MANAGEMENT SCIENCES

Codes	Course Title	Cr. Hrs.	Pre-Req.
-------	--------------	----------	----------

Semester - II

BA 5310	Understanding of Holy Quran-II (For Muslim Students only)	01	BA 5210
BA xxxx	Ethics and Morality (For Non-Muslim Students only)	02	-----
BA 5421	Corporate Legal and Regulatory Affairs *	03	-----
BA 5422	Finance for Managers *	03	-----
BA 5423	Human Capital Management *	03	-----
BA 5424	Macroeconomics & Global Business Environment *	03	-----
BA 5425	Operations and Supply Chain Management*	03	-----
BA 5501	Applied Research Methods	03	-----
Sub-Total		(19/20)	

Second Year

Semester - III

BA 5203	Strategic Marketing	03	-----
BA 5411	Cost & Management Accounting*	03	-----
BA 5507	Thesis-I (3 Credits) OR	03	-----
BA 5508	Research Project-I		
BA 5601	Strategic HRM	03	-----
BA 5xxx	Program Elective-I	03	-----
BA 5xxx	Program Elective-II	03	-----
Sub-Total		18	

Semester - IV

BA 5208	Strategic Finance	03	-----
BA 5504	Corporate Strategy	03	-----
BA 5505	Data Driven Decision Making	03	-----
BA 5607	Thesis-II (3 Credits) OR	03	-----
BA 5608	Research Project-II		
BA 5xxx	Program Elective-III	03	-----
BA 5xxx	Program Elective-IV	03	-----
Sub-Total		18	

* Exempted courses for BBA and Equivalent degree holders.

The students with 4-year BBA/BS (Accounting & Finance) or equivalent degree are exempted 36 credit hours of course work and they are required to complete remaining 38 credit hours. Students are also required to complete a six-week internship. The minimum duration of degree for such students will be 1.5-year with the following program structure:

Codes	Course Title	Cr. Hrs.	Pre-Req.
-------	--------------	----------	----------

First Year

Semester - I

BA 5203	Strategic Marketing	03	-----
BA 5208	Strategic Finance	03	-----
BA 5210	Understanding of Quran-I (For Muslim Students only)	01	-----
BA 5501	Applied Research Methods	03	-----
BA 5601	Strategic HRM	03	-----
Sub-Total		13	

FACULTY OF MANAGEMENT SCIENCES

Codes	Course Title	Cr. Hrs.	Pre-Req.
Semester - II			
BA 5504	Corporate Strategy	03	-----
BA 5310	Understanding of Quran-II (For Muslim Students only)	01	BA 5210
BA xxxx	Ethics and Morality (For Non-Muslim Students only)	02	-----
BA 5507	Thesis-I (3 Credits) OR	03	-----
BA 5508	Research Project-I		
BA 5xxx	Program Elective-I	03	-----
BA 5xxx	Program Elective-II	03	-----
	Sub-Total	(13/14)	

Second Year

Semester - III

BA 5505	Data Driven Decision Making	03	-----
BA 5607	Thesis-II (3 Credits) OR	03	-----
BA 5608	Research Project-II		
BA 5xxx	Program Elective-III	03	-----
BA 5xxx	Program Elective-IV	03	-----
	Sub-Total	12	

PROGRAM ELECTIVES

Finance

BA 5132 Analysis of Financial Statements
 BA 5133 Corporate Finance
 BA 5134 Derivatives
 BA 5135 Financial Markets and Institutions
 BA 5138 Econometrics
 BA 5139 Financial Risk Analysis
 BA 5151 International Finance
 BA 5155 Mergers and Acquisitions
 BA 5179 Commodity Pricing
 BA 5187 Business Analysis and Forecasting
 BA 5229 Financial Modeling
 BA 5232 Portfolio and Investment Management
 BA 5262 Behavioral Finance
 BA 5294 Venture Capital and Private Equity
 BA 5298 Financial Reporting and Analysis
 BA 5349 FinTech
 BA 5454 Real Estate Investments and Finance
 BA 5459 Islamic Capital and Money Markets
 BA 5xxx Analytics for Banking
 BA 5xxx Risk Management in Islamic Finance
 BA 5xxx Accounting and Reporting Standards in Islamic Finance

Human Resource Management

BA 5114 Leadership and Motivation Techniques
 BA 5118 Compensation Management
 BA 5159 Salary and Compensation
 BA 5164 Human Resources Information Systems
 BA 5165 Job Analysis and Design
 BA 5167 Talent Management and Succession Planning
 BA 5185 Leadership Development
 BA 5193 HR Operations and Business Partnering
 BA 5196 Conflict Resolution

BA 5215 Recruitment and Selection
 BA 5216 Training and Development
 BA 5239 HR Policy Development
 BA 5251 Human Resource Development
 BA 5285 Performance Management
 BA 5292 HR Analytics
 BA 5297 Human Capital Development and Analytics
 BA 5332 Contemporary Issues in Human Resource Management
 BA 5335 Human Resource Audit
 BA 5435 Human Resource Management and Technology
 BA 5452 Psychological Contract in Organizations
 BA 5456 Leadership in Practice
 BA 5462 HRM & Sentiment Analysis

Management

BA 5111 Business Process Re-engineering
 BA 5112 Change Management
 BA 5116 Industrial Relations and Labor Laws
 BA 5136 Business Strategy and Policy
 BA 5172 Entrepreneurial Business Strategy
 BA 5213 Project Management
 BA 5242 Lean Six Sigma Manufacturing
 BA 5295 Crisis Management
 BA 5333 Business Theory
 BA 5334 Corporate Sustainability
 BA 5433 Business Application
 BA 5434 Hospitality and Tourism Management
 BA 5460 AI in Business
 BA 5461 Analytical Tools for Business
 BA 5362 Entrepreneurship Management

Marketing

BA 5121 Advertising
 BA 5122 Brand Management

FACULTY OF MANAGEMENT SCIENCES

BA 5123 Consumer Behavior
 BA 5124 Customer Relationship Management
 BA 5129 Services Marketing
 BA 5182 Trade Marketing
 BA 5186 Social Marketing
 BA 5198 Experiential and Content Marketing
 BA 5217 Industrial Marketing
 BA 5224 Media Planning and Management
 BA 5226 Pharmaceutical Marketing
 BA 5227 Sales Management
 BA 5228 Retail Management
 BA 5246 Public Relations
 BA 5256 Integrated Marketing Communications
 BA 5259 Emerging Media
 BA 5264 Interactive Global and Regional Marketing
 BA 5269 Marketing Intelligence
 BA 5281 Digital Marketing
 BA 5293 New Product Development Process and Innovation
 BA 5331 Marketing Analytics
 BA 5336 Retail Buying and Merchandising
 BA 5337 Retail Strategy and Structure
 BA 5339 Packaging for Brands
 BA 5355 Marketing Strategies for Emerging Economies
 BA 5436 Retail Operation
 BA 5437 Retail Supply Chain Management
 BA 5438 Marketing Practices in Pakistan
 BA 5451 Strategic Entrepreneurship
 BA 5463 Pricing Strategy

Supply Chain Management (SCM)

BA 5142 Materials Management
 BA 5143 Digital Supply Chain
 BA 5144 Distribution and Supply Chain Network Design
 BA 5194 Supply Chain Finance

BA 5237 Demand Planning and Forecasting in Supply Chain
 BA 5263 Dynamics of Logistics and Distribution
 BA 5265 Operational Planning in Supply Chain
 BA 5266 Strategic Procurement in SCM
 BA 5287 Execution and Control of Operations in SCM
 BA 5356 International Trade Procedures and Practices
 BA 5431 Supply Chain Operations
 BA 5432 Green Supply Chain Management
 BA 5439 Green Logistics
 BA 5449 Strategic Warehouse Management
 BA 5457 Advanced Manufacturing and TPM in SCM

Non-Credit Hours Course

BA 5110 Software Tools for Business

Internship

All MBA students are required to complete a 6-weeks internship. Completion of internship is a degree requirement for all MBA programs. Students can produce their current employment record as an alternative to the internship program provided such employment experience is recognized by SZABIST.

All courses may not be offered in every semester. Alternative courses may be substituted as and when required.

A student may take either Research Project or Thesis. Student may take any of Level-5 electives from the Faculty of Management Sciences except Project Management Electives, subject to the prior approval of the Program Manager.



INTERNATIONAL PROGRAM

CILT (UK) Level 5 Professional Diploma in Logistics & Transport

SZABIST, as an accredited Training Provider of the Chartered Institute of Logistics and Transport International, is offering International Professional Diploma (Level 5) in Logistics and Transport course designed to support professionals in the transportation, supply of inputs and outputs, and storage sectors. The Chartered Institute of Logistics & Transport (CILT) is the leading international professional body for supply chain, logistics, and transport and encourages its development globally having over 35,000 members in over 100 countries worldwide. Its objective is to encourage the Art and Science of Logistics and Transport.

What Is CILT (UK) Level 5 Professional Diploma in Logistics & Transport Designed For?

The Diploma is designed for professionals already working within the Supply Chain, logistics, and transport sectors. It is most suited to those who are aspiring to middle management positions in specialist functional areas such as supply chain management, transport planning, or transport operations. The Diploma is also suitable for graduates in other disciplines who are entering the sector for the first time.

What Will I Learn?

On completion of the course students will be able to

1. Critically analyses and synthesize the contemporary practices pertaining to logistics and transportation.
2. Apply the key concepts and techniques of Supply chain management to the policy formulation and execution.
3. Apply as appropriate the professional skills, analytical, problem solving, and policy-making, leadership and ethical practices to manage organizational and technological changes.

The Diploma comprises 5 Units (Courses). SZABIST is offering following 6 courses out of which the students can opt for any 5 Units.

List Of Units (Courses):

- Strategic Warehousing Management
- Strategic Procurement in SCM
- Supply Chain Operations
- Green Logistics
- Dynamics of Logistics & Distribution
- Supply Chain Finance



What Are The Benefits Of the CILT(UK) Professional Diploma?

CILT qualifications are developed to the highest standards, offering valuable professional recognition all over the world. The courses are relevant to industry and government. CILT qualification provides a strong head start in terms of the most updated logistic and transport techniques and in career development.

A student enrolling in the program can also:

1. Receive online membership benefits (except voting rights).
2. Use designatory letters after their name.
3. Access CILT Knowledge Centre of 5.5 million online resources, latest news, international journals and newspapers, statistical data, company profiles, an industry report.
4. Access Jon Williams Library that has a collection of material specific to this field.
5. Access through electronic database 50,000 individual items that can assist with commercial analysis, sales prospecting, and academic research.
6. Access to a host of compliance information, sample legal forms and company policy documents for reference and use.
7. Access in depth information on supply chain, logistics and transport together with management, marketing, economics and finance.
8. Access to CILT International/local conferences and networking opportunities with experts of Logistic and Transport field.
9. Access to offer of 50% concession by Pakistan Railways in AC Sleeper in nominated trains through CILT PAK.
10. Attain global recognition of qualifications.
11. Access to CILT Young Professional forum.
12. Access to Women in Logistic & Transport forum for women to empower them in the industry.

What Is The Time Commitment?

Students will complete the qualification within one academic year; i.e., two semesters. The guided learning hours are set at 400 hours, which includes classroom, fieldwork, and self-study. This is allocated as 80 hours per unit for a minimum of 5 units. The program is offered in the evening/weekend.

FACULTY OF MANAGEMENT SCIENCES

Executive Master of Business Administration (EMBA)

The EMBA is a 2-year program spread over four semesters and consists of 68 credit hours including twenty courses (3 credit hours each), two compulsory courses of the Understanding of Holy Quran for Muslim students (one-credit each) or Ethics and Morality for Non-Muslim students (02 credits) and 6 credit hours of Capstone Project or Thesis spread over two semesters (3+3). The maximum time limit to complete the EMBA degree is 4 years.

EMBA students and alumni are exempted from all 13 courses of Chartered Institute of Management Accountants (CIMA) qualification, and are only required to pass three case studies.

First Year

Fall Semester	Pre-Req.
BE 5101 Accounting for Business	----
BE 5102 Business Management	----
BE 5205 Marketing Management	----
BE 5104 Managerial Communication	----
BE 5105 Quantitative Analysis for Decision Making	----
BE xxxx Understanding of Holy Quran-I (For Muslim students only)	----

Spring Semester

BE 5201 Applied Research Methods	BE 5105
BE 5202 Business Finance	BE 5101
BE 5203 Managerial Accounting and Control	BE 5101
BE 5207 Strategic Marketing	BE 5205
BE 5206 Organizational Behavior	BE 5102
BE xxxx Understanding of Holy Quran-II (For Muslim students only)	
BE xxxx Ethics and Morality (For Non-Muslim students only)	

Second Year

Fall Semester	Pre-Req.
BE 5301 Financial Management	----
BE 5302 Human Resource Management	BE 5101
BE 5303 Operations and Supply Chain Management	BE 5206
BE 5204 Managerial Economics	----
BE 5xxx Program Elective-I	----
BE 5306 Capstone Project-I OR	
BE 5308 Thesis-I	----

Spring Semester

BE 5405 Strategic Entrepreneurship and Family Businesses	BE 5102
BE 5404 Corporate Governance	BE 5102
BE 5407 Corporate Strategy	----
BE 5406 Capstone Project-II OR	BE 5306/ BE 5308
BE 5408 Thesis-II	
BE 5xxx Program Elective-II	----
BE 5xxx Program Elective-III	----

PROGRAM ELECTIVES

Marketing

BE 5321 Services Marketing
BE 5322 Advertising
BE 5323 Brand Management
BE 5324 Consumer Behavior
BE 5325 Customer Relationship Management
BE 5326 Digital Marketing
BE 5327 Emerging Media
BE 5328 Experiential and Content Marketing
BE 5329 Export Marketing
BE 5331 Global Marketing
BE 5332 Integrated Marketing Communications
BE 5333 Media Planning and Management
BE 5334 Retail Management
BE 5335 SAP Sales and Distribution Module

Finance

BE 5421 Analysis of Financial Statements
BE 5422 Banking Operations
BE 5423 Corporate Finance
BE 5424 Financial Modeling
BE 5425 International Banking and Finance
BE 5426 Islamic Banking and Finance
BE 5427 Portfolio and Investment Management
BE 5428 Project Evaluation
BE 5429 Treasury and Funds Management
BE 5431 SAP Financial Accounting Module
BE 5432 SAP Management Accounting Module

Human Resource Management

BE 5521 Compensation Management
BE 5522 Conflict Resolution
BE 5523 Crisis Management
BE 5524 HR Analytics
BE 5525 Leadership and Motivational Techniques
BE 5526 Performance Appraisal
BE 5527 Recruitment and Selection
BE 5528 Salary and Compensation
BE 5529 Talent Management and Succession Planning
BE 5531 Training and Development
BE 5532 SAP Human Capital Module

FACULTY OF MANAGEMENT SCIENCES

Supply Chain Management

BE 5622	Detailed Scheduling and Planning in SCM
BE 5623	Dynamics of Logistics and Distribution
BE 5624	Execution and Control of Operations in SCM
BE 5626	Operational Planning in Supply Chain
BE 5627	Strategic Procurement in SCM
BE 5629	Supply Chain Finance
BE 5631	Supply Chain Management
BE 5632	SAP Procurement Module

BE 5633	SAP Production-Planning and Manufacturing Module
BE 5634	Advanced Manufacturing and TPM in SCM

Students can take electives in other level 5 program of FMS (except in MSPM & MPM) with prior permission from concerned Program Manager.

The University reserves the right to change its programs and policies at any time without prior notification. All courses may not be offered every year. Alternate courses may be substituted as and when needed.

PROFESSIONAL MBA

PMBA is a one-year program spread over two semesters and consists of 35 credit hours including 10 courses (3 credit hours each), two compulsory courses of the Understanding of Holy Quran for Muslim students (one credit each) or Ethics and Morality for Non-Muslim students (02 credits) and a business project (3 credit hours). The maximum time limit to complete PMBA degree is 4 years.

First Year

Fall Semester	Pre-Req.	Spring Semester	Pre-Req.
BE 5101 Accounting for Business	----	BE 5201 Applied Research Methods	BE 5105
BE 5102 Business Management	----	BE 5202 Business Finance	BE 5101
BE 5103 Contemporary Marketing	----	BE 5204 Managerial Economics	----
BE 5104 Managerial Communication	----	BE 5205 Marketing Management	BE 5103
BE 5105 Quantitative Analysis for Decision Making	----	BE 5206 Organizational Behavior	BE 5102
BE xxxx Understanding of Holy Quran-I (For Muslim Students only)	----	BE 5309 Business Project	----
		BE xxxx Understanding of Holy Quran-II (For Muslim Students only)	----
		BE xxxx Ethics and Morality (For Non-Muslim Students only)	----

MHRM

The Master in Human Resource Management program is designed for those who have functional responsibility to carry out the duties of an organization's human resource department. The student is required to complete 32 credit hours including 09 courses (3 credit hours each), two courses of the Understanding of Holy Quran for Muslim students (one credit each) or Ethics and Morality for Non-Muslim students (02 credits) and Capstone project (3 credit hours). The maximum time period to complete the degree is four years.

Fall Semester

HR 5105	Talent Acquisition and Onboarding
HR 5104	Strategic Human Resource and Organizational Development
HR 5106	Total Reward and Performance Management
HR 5107	Workplace Safety and Legal Frameworks
HR 5xxx	Elective I
HR 5xxx	Understanding of Holy Quran-I (For Muslim Students only)

Spring Semester

HR 5205	HR Metrics and Analytics
HR 5206	Human Capital Development
HR 5xxx	Elective II
HR 5xxx	Elective III
HR 5207	Capstone Project
HR 5xxx	Understanding of Holy Quran-II (For Muslim Students only)
HR 5xxx	Ethics and Morality (For Non-Muslim Students only)

PROGRAM ELECTIVES

HR 5232	Emerging Trends in HRM
HR 5132	Diversity, Equity, and Inclusion in the Workplace
HR 5131	Artificial Intelligence in HRM

HR 5234	Performance Management and Analytics
HR 5133	Managing Virtual Teams
HR 5134	Sustainable HR Practices
HR 5231	Cross Cultural HRM
HR 5233	Leadership Development and Succession

FACULTY OF MANAGEMENT SCIENCES

Master of Project Management (MPM)

Master of Project Management is designed to provide individuals with cutting edge insights of project management to manage complex projects. Through this one year degree program, students can gain actionable knowledge for real-world challenges which goes beyond traditional project management fundamentals. The classes are offered on Weekends (Friday to Sunday). The program comprises 32 credit hours spread over two semesters. Students are required to complete 09 courses (3 credit hours each), two courses of Understanding of Holy Quran for Muslim students (1 credit hour each) or Ethics and Morality for Non-Muslim students (02 credits) and Capstone Project (03 credit hours). The maximum time to complete the degree is 4 years.

Master of Project Management has earned accreditation from PMI Global Accreditation Center. This achievement demonstrates our commitment to ensuring our program remains relevant in the ever-changing field of project management and provides students with the skills they need to excel in the workforce.

Mission Statement

The program is designed to enhance competencies of working professionals and students in areas of strategic intent, leadership skills and professional behavior, tools, techniques, processes, contemporary best practices and emerging trends in managing projects effectively through project life cycle in multi-context environment.

First Semester

	Pre-Req.
PM 5113 Principles of Project Management	----
PM 5112 Organizational Project Management	----
PM 5111 Leadership and Work Ethics	----
PM 5114 Project Scope and Scheduling Management	----
PM 5104 Cost and Financial Management for Project Management	----
PM 5110 Understanding of Holy Quran-I (For Muslim Students only)	----

PM 5161	Project Resource and Communication Management
PM 5162	Telecom Project Management
PM 5163	Managing Virtual Project Teams

Govt/NGO

PM 5155	Project Program Portfolio Management
PM 5361	Government Planning and Development Management
PM 5362	NGO Project Management
PM 5363	Project Governance, Monitoring, and Evaluation
PM 5364	Public Private Partnership Management
PM 5365	Sustainable Development Projects

Spring Semester

	Pre-Req.
PM 5351 Project Risk Management	----
PM 5207 Software Tools for Project Management	----
PM 5xxx Elective-I	----
PM 5xxx Elective-II	----
PM 5208 Capstone Project	----
PM 5210 Understanding of Holy Quran-II (For Muslim Students only)	PM 5110
PM xxxx Ethics and Morality (For Non-Muslim Students only)	----

Construction/Manufacturing

PM 5259	Construction Project Management
PM 5261	Blockchain Project Management
PM 5262	Construction Quality and Cost Management
PM 5263	Project Procurement and Contractual Management
PM 5264	Project Simulation
PM 5301	Project Quality Management

All courses may not be offered every semester. Alternative courses may be substituted as and when required.

MPM students may switch to the MSPM program before the third week of the first semester or after the first semester, with relevant courses transferred and subject to meeting MSPM admission requirements. This option cannot be exercised in and after the second semester.

PROGRAM ELECTIVES

IT/Telecom

PM 5152	Innovation and Technology Management
PM 5157	Agile Project Management
PM 5158	Digital Project Management
PM 5159	Project Analytics

FACULTY OF MANAGEMENT SCIENCES

Master of Science in Project Management (MSPM)

The program is designed to develop integrated growth of students in strategic management, leadership, professional behavior, research, and project management skills in managing complex projects in culturally diverse and changing business environment in national and international contexts. SZABIST offers MS in Project Management (MSPM) program which is equivalent to M.Phil. The program lays the foundation for students who are planning to pursue doctoral studies. This university offers two streams for MSPM. The first stream is Course-Work based and the second is Research-Work. In either stream, students are required to complete 32 credit hours including two compulsory courses of Understanding of Holy Quran for Muslim student (1-credit hour each) or Ethics and Morality for Non-Muslim students (02 credits).

Mission Statement

The program is designed to develop integrated growth of students in strategic management, leadership, professional behavior, research, and project management skills in managing complex projects in culturally diverse and changing business environment in national and international contexts.

The maximum time limit to complete the MSPM degree is four years and the minimum time to complete is 1.5/2 years. The scheme of study for each stream is as follows:

Course-Work based Stream

- Five compulsory courses (15 credits)
- Two compulsory courses (2 credits)
- Five elective courses (15 credits)

Research-Work based Stream

- Five compulsory courses (15 credits)
- Two compulsory courses (2 credits)
- Three elective courses (09 credits)
- Two Independent Research Studies OR Thesis (06 credits)

First Year

Fall Semester	Pre-Req.
MP 5107 Fundamentals of Project Management	----
MP 5113 Strategic Management and Leadership	----
MP 5103 Research Methodology	----
MP 5xxx Elective-I	----
MP 5110 Understanding of Holy Quran-I (For Muslim students only)	----

Spring Semester

MP 5202 Quantitative Tools for Research	MP 5103
MP 5213 Case Studies in Project Management	----
MP 5210 Understanding of Holy Quran-II (For Muslim Students only)	MP 5110
MP 5xxx Ethics and Morality (For Non-Muslim Students only)	----
MP 5xxx Elective-II	----
MP 5xxx Elective-III	----

Second Year

Fall Semester	Pre-Req.
MP 5xxx Thesis-I* OR Independent Research Study-I*/ Elective-IV**	MP 5103/ MP 5202
MP 5xxx Independent Research Study - II/ Elective-V**	MP 5103/ MP 5202

Spring Semester

MP 5xxx Thesis-II	----
-------------------	------

* Thesis shall be registered in two semesters, while Independent Research Study-I and Independent Research Study-II can be opted in one semester by Research-work based stream students.

** Elective-IV and Elective-V to be opted by students following Course-Work based scheme.

MSPM students may switch to the MPM program after admissions before the third week of the first semester or after completion of first semester. This option; however, cannot be exercised in and after the second semester.

PROGRAM ELECTIVES

- MP 5102 Project Management Constraints
- MP 5201 Quality Management Tools
- MP 5203 Operations Research
- MP 5205 Theories of Management
- MP 5215 Human Resource Management Communication
- MP 5217 Financial Decision Analysis
- MP 5218 Software Project Management

FACULTY OF MANAGEMENT SCIENCES

- MP 5221 Project Cost Management
- MP 5223 Project Scheduling, Planning and Time Management
- MP 5314 Project Review, Assurance and Governance
- MP 5317 Supply Chain Management
- MP 5318 Business Analysis
- MP 5324 Risk Management Dynamics
- MP 5325 Project Simulation
- MP 5319 Project Change and Integration Management
- MP 5329 Project Communication for Stakeholder Management

This Elective courses list is not exhaustive and may vary from time to time. All courses may not necessarily be offered every year. Alternate courses may be substituted as and when required.

Students cannot register in Independent Research Study (IRS) or Thesis without completion of Research Methodology and Quantitative Tools for Research. Also, to register in thesis students

are required to complete course work before registering for Thesis.

The maximum course load for a semester is 12 credit hours. Courses are not offered on a regular basis in summer as it is not a regular semester.

All MSPM candidates are required to pass HAT relevant/GAT General with a minimum 50% score or GRE with minimum 300 score as applicable for the MS program.

MS (Project Management) Bridge Arrangement

This arrangement allows MPM graduates to enhance their academic qualification. For MPM graduates, a maximum of 6 courses may be transferred to the MSPM program subject to passing the courses with a minimum 2.75-grade point, surrendering the MPM degree and enrolling for a minimum of two semesters. The Project, Project in Primavera, Software Tools/IT Tools for Project Management, and SAP Training are not transferrable towards MSPM degree completion requirements for MPM graduates.

Master of Science in Management Sciences

There are two streams available for Master of Science in Management Sciences (MSMS). One Stream is by Course Work and other one is by Research Work. In Course Work Stream, the student is required to complete 10 courses of 3 credit hours each and two course of Understanding of Holy Quran for Muslim students (01 credit each) or Ethics and Morality for Non-Muslims students (02 credits). In the Research Work Stream, the student is required to complete courses of 26 credit hours and two IRS OR Thesis of 6 credits. In both the streams, 32 credit hours are to be completed. The time limit to earn an MS degree is from 1.5 to 4 years. The scheme of study for each stream is as follows:

1. Course Work Stream

- Six Compulsory Courses (18 credits)
- Four Program Electives (12 credits)
- Two Compulsory Courses (02 credits)
- No IRS or Thesis

Compulsory Courses

- MS 5104 Strategic Marketing Decisions
- MS 5132 Applied Strategic Management
- MS 5137 Research Methods and Techniques
- MS 5204 Quantitative Tools for Research
- MS 5238 Strategic Human Resource Development
- MS 5318 Strategic Finance

Program Electives (Program Electives in any of following areas subject to the offering of Course)

- Finance
- Marketing
- Human Resource Management

2. Research Work Stream

- Six Compulsory Courses (18 credits)
- Two Compulsory Courses (02 credits)
- Two Program Electives (06 credits)
- Two IRS OR Thesis (06 credits)

Compulsory Courses

- MS 5104 Strategic Marketing Decisions
- MS 5132 Applied Strategic Management
- MS 5137 Research Methods and Techniques
- MS 5204 Quantitative Tools for Research
- MS 5238 Strategic Human Resource Development
- MS 5318 Strategic Finance

Program Electives (Program Electives in any of following areas subject to the offering of Course)

- Finance
- Marketing
- Human Resource Management

FACULTY OF MANAGEMENT SCIENCES

First Year

Fall Semester	Pre-Req.
MS 5137 Research Methods and Techniques	----
MS 5132 Applied Strategic Management	----
MS 5238 Strategic Human Resource Development	----
MS 5104 Strategic Marketing Decisions	----
MS 5110 Understanding of Holy Quran-I (For Muslim Students only)	----

Spring Semester

MS 5204 Quantitative Tools for Research	----
MS 5318 Strategic Finance	----
MS 5210 Understanding of Holy Quran-II (For Muslim students only)	MS 5110
MS 5xxx Ethics and Morality (For Non-Muslim Students only)	----
MS 5xxx Program Elective I	----
MS 5xxx Program Elective II	----

Second Year

Fall Semester	Pre-Req.
MS 5xxx Program Elective III	----
MS 5xxx Program Elective IV	----

PROGRAM ELECTIVES

Finance

MS 5103	Managerial Economics
MS 5105	Econometrics
MS 5111	Derivatives and Financial Risk
MS 5113	Financial Time Series
MS 5115	Operations and Mathematical Modeling
MS 5134	Behavioral Finance
MS 5206	Modern Financial Applications
MS 5215	Corporate Finance
MS 5217	Corporate Finance Planning and Decisions
MS 5218	Financial Markets
MS 5237	Business Finance and Decision Making
MS 5317	Seminars in Finance
MS 5412	Islamic Banking and Finance
MS 5414	Applied Econometrics
MS 5421	Capital Asset Pricing Model
MS 5425	Empirical Asset Pricing
MS 5426	Mathematical Modeling in Finance
MS 5452	Applied Time Series Analysis for and Forecasting With Software
MS 5459	Financial Modelling with Software
MS 5461	Fintech/Data Science for Finance
MS 5469	Risk Management

Marketing

MS 5301	Seminars in Marketing
MS 5422	Distribution and Channel Management
MS 5424	Strategic Brand Management

First Year

Fall Semester	Pre-Req.
MS 5137 Research Methods and Techniques	----
MS 5132 Applied Strategic Management	----
MS 5238 Strategic Human Resource Development	----
MS 5104 Strategic Marketing Decisions	----
MS 5110 Understanding of Holy Quran-I (For Muslim Students only)	----

Spring Semester

MS 5204 Quantitative Tools for Research	----
MS 5318 Strategic Finance	----
MS 5210 Understanding of Holy Quran-II (For Muslim students only)	MS 5110
MS 5xxx Ethics and Morality (For Non-Muslim Students only)	----
MS 5xxx Program Elective I	----
MS 5xxx Program Elective II	----

Second Year

Fall Semester	Pre-Req.
MS 5xxx IRS I and IRS II OR	----
MS 5xxx Thesis (Part I)	----

Spring Semester

MS 5xxx Thesis (Part II)	-
--------------------------	---

MS 5428	Global Marketing Strategies
MS 5429	Marketing Metrics
MS 5431	Strategic Entrepreneurial Marketing
MS 5432	Strategic Social Marketing
MS 5433	Advertising Research
MS 5434	Behavioral Marketing
MS 5453	Customer Relations Management
MS 5456	Digital Marketing and Social Media
MS 5465	Market Strategy and Forecasting
MS 5468	Retailing and Analytics

Human Resource Management

MS 5101	Change Management
MS 5102	Organizational Development
MS 5202	Organizational Strategies and Effectiveness
MS 5203	Global Corporate Strategy
MS 5205	International Business Management
MS 5211	Creative Leadership
MS 5216	Corporate Governance
MS 5225	Leadership and Motivation Techniques
MS 5229	Negotiations and Conflict Resolution
MS 5241	Public Administration and Governance
MS 5245	System Thinking and Organizational Learning
MS 5303	Issues in Strategic Management
MS 5415	NGO Management
MS 5423	Global Governance and Development
MS 5427	Seminars in HRM

FACULTY OF MANAGEMENT SCIENCES

Program Elective courses may vary from time to time. All courses may not necessarily be offered every year. Alternate courses may be substituted as and when required.

Students cannot register in Independent Research Study (IRS) OR thesis without completing the course work (all compulsory and elective courses).

Maximum course load for a semester is 4 courses (12 credit hours). Summer is not a regular semester; therefore, courses are not offered on a regular basis in summer. A student can take maximum two interdisciplinary elective courses in SS/CS/IT/ Media/MBA program with the prior approval of respective program managers.

Master of Science Business Analytics

SZABIST University offers Master of Science in Business Analytics (MSBA) with specialization in Finance, Marketing, Management /HR & Supply Chain Management. The program comprises of 32 credit hours and it is based on two streams. Course Work Stream requires the student to complete 12 courses of 32 credits. Research Work Stream requires the student to complete 8 courses of 3 credit hours each, 2 courses of Understanding of Holy Quran (I & II) for Muslim students (1 credit hour each) or Ethics and Morality for Non Muslim students (02 credits) and Capstone Project or Thesis of 6 credit hours, bringing the total to 32 credit hours. The maximum duration to complete the degree is 4 years. The Scheme of Study is as follows:

1. Course Work Stream

- Six Compulsory Courses (6x3 =18 CH) from Business Analytics Core Domain
- Four Elective Courses (4x3=12 CH) from area of specialization)
- Two Compulsory Course(02 CH)

First Year

Fall Semester	Cr. Hrs.
BSA 5xxx Business Analytics Tools-I	3
BSA 5102 Mathematics and Statistics	3
BSA 5103 Research Methodology	3
BSA 5104 Strategic Decision Making	3
BSA 5xxx Understanding of Holy Quran-I (For Muslim Students only)	1

Spring Semester

BSA 5201 Programming Using Python	3
BSA 5xxx Business Analytics Tools-II	3
BSA 5xxx Elective I	3
BSA 5xxx Elective II	3
BSA 5xxx Understanding of Holy Quran-II (For Muslim Students only)	1
BSA 5xxx Ethics and Morlity (For Non-Muslim Students only)	2

Second Year

Fall Semester

BSA 5xxx Elective III	3
BSA 5xxx Elective IV	3

Total 32

2. Research Work Stream

- Six Compulsory Courses (6x3 =18 CH) from Business Analytics Core Domain
- Two Elective Courses (2x3=6 CH) from area of specialization)
- Two Compulsory Course(02 CH)
- Thesis / Capstone Project (6 CH)

First Year

Fall Semester	Cr. Hrs.
BSA 5xxx Business Analytics Tools-I	3
BSA 5102 Mathematics and Statistics	3
BSA 5103 Research Methodology	3
BSA 5104 Strategic Decision Making	3
BSA 5xxx Understanding of Holy Quran-I (For Muslim Students only)	1

Spring Semester

BSA 5201 Programming Using Python	3
BSA 5xxx Business Analytics Tools-II	3
BSA 5xxx Elective I	3
BSA 5xxx Elective II	3
BSA 5xxx Understanding of Holy Quran-II (For Muslim Students only)	1
BSA 5xxx Ethics and Morlity (For Non-Muslim Students only)	2

Second Year

Fall Semester

BSA 5xxx Thesis-I OR BSA 5xxx Capstone Project-I	3
---	---

Spring Semester

BSA 5xxx Thesis-II OR BSA 5xxx Capstone Project-II	3
---	---

FACULTY OF MANAGEMENT SCIENCES

The students may take up to 2x inter-disciplinary electives from degree programs of 18 years.

Program Electives (Electives in any of following areas subject to the offering of course)

- Finance
- Marketing
- Management/HR
- Supply Chain Management

PROGRAM ELECTIVES

Finance

BSA 5221 Fintech/Data Science for Finance

BSA 5222 Applied Time Series Analysis for Forecasting

BSA 5321 Financial Modelling

BSA 5322 Risk Management

Marketing

BSA 5231 Digital Marketing and Social Media

BSA 5232 Market Strategy and Forecasting

BSA 5331 Customer Relations Management

BSA 5332 Retailing and analytics

Management/HR

BSA 5xxx Decision Support System

BSA 5xxx Management Models

BSA 5xxx Disaster management (GIS)

BSA 5xxx HR Analytics

BSA 5xxx Performance Management

Supply Chain Management

BSA 5xxx Strategies for Managing Supply Chain

BSA 5xxx Advanced Warehouse, Store & Material Management

BSA 5xxx Green Supply Chain Management

BSA 5xxx Distribution Networks



FACULTY OF MANAGEMENT SCIENCES

PhD Management Science

For PhD Program, students are required to complete 50 credit hours. Five courses of 3 credit hours each, two courses of Understanding of Holy Quran (I & II) for Muslim students (one credit hour each) or Ethics and Morality for Non-Muslim students (02 credits), one Independent Research Study of 3 credit hours and one dissertation of 30 credit hours are required.

Following are the important points for PhD in Management Sciences:

- There are two compulsory courses in PhD i.e. Advanced Research Methods and Techniques and Advanced Quantitative Tools for Research.
- In addition, students must complete two courses (1 credit hour each) of Understanding of Holy Quran I & II for Muslim students or Ethics and Morality for Non-Muslim students (02 credits), bringing the total course credit hours to 20. These courses are integrated into the program without extending its duration.
- Candidate may be given prerequisite/deficiency courses or thesis which will be decided by the Interview Board at the time of admission. Prerequisite Courses are non-credit courses.
- The student will not be allowed to register in compulsory courses before completing prerequisite courses/ thesis if any.
- Dissertation of 30 credit hours is compulsory.
- Registration in Dissertation is allowed after passing Comprehensive Examination, GAT- Subject Test and maintaining minimum CGPA requirement.
- All the requirements of HEC must be fulfilled which include the following:
 - Passing GAT Subject with minimum 60% or equivalent GAT Subject test of SZABIST with minimum 60%.
 - Maintaining minimum CGPA requirement for each course and for entire program.
 - Passing Comprehensive Examination to establish the PhD candidacy (maximum 2 attempts allowed).
 - Publishing one Research Paper from the thesis in W,X, and Y-category journal before the completion of 30 credit hours Dissertation.
- Program elective courses to be selected from the specialized area of Marketing, Finance and Human Resource Management.
- Maximum course load for each semester is 10 credit hours.
- Time duration for PhD is minimum 3 years and maximum 8 years.
- All general guidelines mentioned in DOCTORAL DEGREE PROGRAMS are applicable to PhD-Management Science.

First Year

Fall Semester

MS 6106	Advanced Research Methods and Techniques
MS 6216	Advanced Quantitative Tools for Research
MS 6xxx	Program Elective I
MS 6110	Understanding of Holy Quran - I (For Muslim Students only)

Spring Semester

MS 6xxx	Program Elective II
MS 6xxx	Program Elective III
MS 6xxx	Independent Research Study
MS 6210	Understanding of Holy Quran - II (For Muslim Students only)
MS 6xxx	Ethics and Morality (For Non-Muslim Students only)

Second Year

Fall Semester

MS 6xxx	Dissertation
---------	--------------

Spring Semester

MS 6xxx	Dissertation
---------	--------------

Third Year

Fall Semester

MS 6xxx	Dissertation
---------	--------------

Spring Semester

MS 6xxx	Dissertation
---------	--------------

PROGRAM ELECTIVES

Finance

MS 6111	Business Finance and Decision Making
MS 6113	Applied Econometrics
MS 6202	Econometrics
MS 6315	Capital Asset Pricing Model
MS 6317	Empirical Asset Pricing
MS 6318	Financial Markets
MS 6319	Modern Financial Applications
MS 6322	Behavioral Finance
MS 6323	Corporate Finance

FACULTY OF MANAGEMENT SCIENCES

- MS 6411 Financial Time Series
- MS 6418 Operations and Mathematical Modeling
- MS 6429 Islamic Banking and Finance
- MS 6421 Corporate Finance Planning and Decision
- MS 6422 Derivatives and Financial Risk
- MS 6423 Managerial Economics
- MS 6325 Seminars in Finance
- MS 6425 Strategic Finance
- MS 6434 Mathematical Modeling in Finance

Marketing

- MS 6204 Strategic Marketing Decisions
- MS 6215 Seminars in Marketing
- MS 6312 Advance Marketing Strategy
- MS 6316 Distribution and Channel Management
- MS 6415 Strategic Brand Management
- MS 6431 Marketing Metrics
- MS 6432 Strategic Entrepreneurial Marketing
- MS 6433 Strategic Social Marketing
- MS 6428 Global Marketing Strategies
- MS 6326 Advertising Research
- MS 6435 Behavioral Marketing

Human Resource Management

- MS 6112 Strategic Human Resource Development
- MS 6114 NGO Management
- MS 6201 Change Management
- MS 6205 Public Administration and Governance
- MS 6211 Organizational Development
- MS 6311 Corporate Governance
- MS 6314 Global Corporate Strategy
- MS 6321 Organizational Strategies and Effectiveness
- MS 6324 Issues in Strategic Management
- MS 6412 Creative Leadership
- MS 6413 International Business Management
- MS 6414 Global Governance and Development
- MS 6416 Negotiations and Conflict Resolution
- MS 6417 Leadership and Motivation Techniques
- MS 6419 System Thinking and Organizational Learning
- MS 6427 Applied Strategic Management
- MS 6424 Strategic Management
- MS 6426 Seminars in HRM

Program Elective courses may vary from time to time. All courses may not necessarily be offered every year. Alternate courses may be substituted as and when required.

Course registration is subject to course offering as per Zabdesk each semester. The above course plan is tentative for basic understanding. Students can register in any number of offered course/s but not exceeding 4 courses (10 credit hours) per semester. One extra course can be allowed depending on the approval of program manager. Summer is not a regular semester and no fresh registration is offered during Summer. A student can take maximum two interdisciplinary elective courses in SS/CS/IT/Media/MBA program with the prior approval of respective program managers.



FACULTY OF COMPUTING AND ENGINEERING SCIENCES



DEPARTMENT OF COMPUTING

The Department of Computing is aimed to produce **globally recognized scientific and technological experts** in the field of computing. In the recent decade the computer science has played a catalytic role for many real-world applications. This includes, but not limited to, banking, software house, education, government, commerce, security, healthcare etc. The Department of Computing at SZABIST is committed to produce quality graduated who can satisfy the **national and global contemporary scientific and technological needs**. The students are encouraged to render **cutting edge research & development** in the domain of computing to handle **socio-economic challenges**.

PROGRAMS

The Department of Computing at SZABIST offers degree program both at undergraduate and graduate level. All programs being offered in the Department of Computing are fully in-line with the guidance of Higher Education Commission and in accordance with the national and global industrial needs. The programs being offered at the Department of Computing are accredited by National Computing Education Accreditation Council (NCEAC), Pakistan.

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

BS Computer Science

SZABIST offers a four-year (eight semesters) BS Computer Science degree program accredited by the National Computing Education & Accreditation Council (NCEAC). The program encompasses a broad range of courses in core Computer Science, Information Technology, and Software Engineering. The program is a full-time day program consisting of 47 courses (five/six courses per semester), totaling 132 credit hours. The complete course plan includes 7 technical electives. These 7 technical electives provide intensive learning in wide areas of Computer Science and allied disciplines. A six weeks internship is a mandatory degree requirement. The maximum time limit to complete the degree program is six years.

BS (Computer Science) COURSE PLAN (ROADMAP)

Sem.	Codes	Course Title	Cr.Hrs.		Pre-Req.
First Year					
First Semester					
1	CSC 1101	Calculus and Analytical Geometry	3, 0	3	
	CSC 1102	English Composition and Comprehension	3, 0	3	
	CSC 1103	Fundamentals of Programming	3, 0	3	
	CSCL 1103	Lab : Fundamentals of Programming	0, 1	1	
	CSC 1107	Applied Physics	2, 0	2	
	CSCL 1107	Lab : Applied Physics	0, 1	1	
	CSC 1108	Introduction to Computer Science	2, 0	2	
	CSCL 1108	Lab : Introduction to Computer Science	0, 1	1	
Sub-Total			16		
Second Semester					
2	CSC 1207	Digital Logic Design	2, 0	2	
	CSCL 1207	Lab: Digital Logic Design	0, 1	1	
	CSC 1208	Object Oriented Programming Techniques	3, 0	3	CSC 1103, CSCL 1103
	CSCL 1208	Lab: Object Oriented Programming Techniques	0, 1	1	CSC 1103, CSCL 1103
	CSC 1206	Probability and Statistics	3, 0	3	
	CSC 1209	Islamic Studies/ Humanities	2, 0	2	
	CSC 3515	Understanding of Holy Quran-I (For Muslim Students only)	1, 0	1	
	CSC 1109	Pakistan Studies	2, 0	2	
	CSC 2101	Communication and Presentation Skills	3, 0	3	CSC 1102
Sub-Total			18		
Second Year					
Third Semester					
3	CSC 1201	Discrete Mathematical Structures	3, 0	3	
	CSC 1202	Multivariate Calculus	3, 0	3	CSC 1101
	CSC 2102	Data Structures and Algorithms	3, 0	3	CSC 1208, CSCL 1208
	CSCL 2102	Lab: Data Structures and Algorithms	0, 1	1	CSC 1208, CSCL 1208
	CSC 3105	Computer Organization and Assembly Language	2, 0	2	CSC 1207, CSCL 1207
	CSCL 3105	Lab: Computer Organization and Assembly Language	0, 1	1	CSC 1207, CSCL 1207
	CSC 3106	HCI & Computer Graphics	2, 0	2	
	CSCL 3106	Lab: HCI & Computer Graphics	0, 1	1	
	CSC 3215	Understanding of Holy Quran-II (For Muslim Students only)	1, 0	1	CSC 3515
	CSC xxxx	Ethics and Morality (For Non-Muslim Students only)	2, 0	2	
	CSC xxxx	University Elective-1	2, 0	2	
Sub-Total			(19/20)		
Fourth Semester					
4	CSC 2203	Database Systems	3, 0	3	CSC 2102, CSCL 2102
	CSCL 2203	Lab: Database Systems	0, 1	1	CSC 2102, CSCL 2102
	CSC 2204	Finite Automata Theory and Formal Languages	3, 0	3	

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

Sem.	Codes	Course Title	Cr.Hrs.		Pre-Req.
	CSC 2206	Linear Algebra	3, 0	3	
	CSC 3101	Computer Architecture	3, 0	3	CSC 3105, CSCL 3105
	CSC 3202	Design and Analysis of Algorithms	3, 0	3	CSC 2102, CSCL 2102
	CSC 1211	Ideology and Constitution of Pakistan	2, 0	2	
	Sub-Total			18	

Third Year

Fifth Semester

5	CSC 3107	Operating Systems	2, 0	2	
	CSCL 3107	Lab: Operating Systems	0, 1	1	
	CSC 3108	Advance Database Management Systems	2, 0	2	CSC 2203, CSCL 2203
	CSCL 3108	Lab: Advance Database Management Systems	0, 1	1	CSC 2203, CSCL 2203
	CSC 3109	Software Engineering	3, 0	3	
	CSC 3201	Compiler Construction	3, 0	3	CSC 2204
	CSC 3110	Community Service	1, 0	1	
	CSC 3111	Entrepreneurship	2, 0	2	
	Sub-Total			15	

Sixth Semester

6	CSC 1205	Technical and Business Writing	3, 0	3	
	CSC 3206	Artificial Intelligence	2, 0	2	
	CSCL 3206	Lab: Artificial Intelligence	0, 1	1	
	CSC 3209	Computer Networks	2, 0	2	
	CSCL 3209	Lab: Computer Networks	0, 1	1	
	CSC xxxx	CS Elective-1	3, 0	3	
	CSC xxxx	CS Elective-2	3, 0	3	
	Sub-Total			15	

Fourth Year

Seventh Semester

7	CSC 4105	Final Year Project-I	0, 3	3	
	CSC 4107	Information Security	2, 0	2	
	CSCL 4107	Lab: Information Security	0, 1	1	
	CSC 4109	Professional Practices	2, 0	2	
	CSC xxxx	CS Elective-3	3, 0	3	
	CSC xxxx	CS Elective-4	3, 0	3	
	CSC xxxx	University Elective-2	2, 0	3	
	Sub-Total			16	

Eighth Semester

8	CSC 4106	Parallel and Distributed Computing	3, 0	3	CSC 3107, CSCL3107
	CSC 4205	Final Year Project-II	0, 3	3	CSC 4105
	CSC xxxx	CS Elective-5	3, 0	3	
	CSC xxxx	CS Elective-6	3, 0	3	
	CSC xxxx	CS Elective-7	3, 0	3	
	Sub-Total				15
Grand-Total				132	

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

Following Two deficiency courses of Mathematics will be offered to the students having limited mathematical background, as identified by the relevant PM.

CSC 1110 Algebraic Foundations and Applications in Computing

CSC 1111 Differential and Integral Calculus in Computing

CS ELECTIVES

CSC 4703 Applied Data Mining
 CSC 4706 Digital Image Processing
 CSC 4708 Enterprise Resource Planning
 CSC 4712 IT Innovations
 CSC 4714 Network Security and Encryption
 CSC 4716 Switching and Routing
 CSC 4717 Web Technologies-I
 CSC 4718 Wireless and Mobile Technologies
 CSC 4719 Game Development
 CSC 4721 Introduction to Cloud Computing
 CSC 4722 Introduction to Blockchain Technology
 CSC 4723 Blockchain and Smart Contract Development
 CSC 4724 User Interface Design
 CSC 4725 Introduction to Development and Operations
 CSC 4726 Systems and Network Administration
 CSC 4727 Hybrid Mobile Application Development
 CSC 4802 Android Application Development
 CSC 4803 Auditing Information Systems
 CSC 4805 Data and Network Security
 CSC 4806 Digital Signal Processing
 CSC 4807 Embedded Programming
 CSC 4808 Ethical Hacking
 CSC 4809 iOS Development
 CSC 4812 Mechatronics
 CSC 4813 Modeling and Simulation
 CSC 4814 Software Project Management
 CSC 4815 Software Engineering-II
 CSC 4816 Technopreneurship
 CSC 4817 Web Technologies-II
 CSC 4823 Interaction Design
 CSC 4824 Embedded Systems
 CSC 4825 Computer Graphics
 CSC 4826 Introduction to Data Science
 CSC 4827 Software Quality Engineering and Testing
 CSC xxxx AI in Game Development
 CSC xxxx No Code Programming
 CSC xxxx Virtual and Augmented Reality
 CSC xxxx Algorithmic Trading

CSC xxxx Organizational Behavior
 CSC xxxx Foreign Languages
 CSC xxxx History of Scientific Ideas
 CSC xxxx Management Principles
 CSC xxxx Research Report
 CSC xxxx Sociology
 CSC xxxx Psychology

DISTRIBUTION OF CREDIT HOURS

Areas	Cr. Hrs.	Courses
Computing Core	46	14
Domain Core	18	6
Domain Elective	21	7
Mathematics and Supporting Courses	09	3
Elective Supporting Courses	04	2
General Education Requirement	34	15
Total	132	47

All courses may not be offered in every semester. Elective courses may vary from time to time. Alternative courses may be substituted as and when required. Internship The internship is scheduled at the end of the third year.

Internship

The internship is scheduled at the end of the third year. After completing the six-week internship, all students must submit a comprehensive report, giving details of their experience and learning.



UNIVERSITY ELECTIVE (2,0)

Each campus may offer electives as per convenience and availability of resources. The Electives being offered at Islamabad Campus are as follows:

CSC xxxx Business and Technology Ethics
 CSC xxxx Design and Creativity
 CSC xxxx Introduction to Accounting

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

BS SOFTWARE ENGINEERING

The BS Software Engineering program at SZABIST is a full-time four year degree program comprising eight semesters with minimum of 132 credit hours. The degree program is designed around a set of courses pertaining to the principles of software analysis, design, architecture, development, testing, and maintenance techniques that are necessary to produce high-quality software systems. Some additional courses from the disciplines of Computer Science, Mathematics, Management Science, and Humanities are part of the degree program to develop a broader knowledge base of the students.

The BS Software Engineering program is offered through a trained foreign qualified faculty. It consists of 47 courses with a total of 132 credits hours. The maximum duration to complete the degree is six years.

BS (SOFTWARE ENGINEERING) COURSE PLAN (ROADMAP)

Sem.	Codes	Course Title	Cr.Hrs.		Pre-Req.
First Year					
Fall Semester					
1	CSC 1101	Calculus and Analytical Geometry	3, 0	3	
	CSC 1102	English Composition and Comprehension	3, 0	3	
	CSC 1103	Fundamentals of Programming	3, 0	3	
	CSCL 1103	Lab : Fundamentals of Programming	0, 1	1	
	CSC 1108	Introduction to Computer Science	2, 0	2	
	CSC L1108	Lab : Introduction to Computer Science	0, 1	1	
	CSC 1107	Applied Physics	2, 0	2	
	CSCL 1107	Lab: Applied Physics	0, 1	1	
Sub-Total			16		
Spring Semester					
2	CSC 1208	Object Oriented Programming Techniques	3, 0	3	CSC 1103, CSCL 1103
	CSCL 1208	Lab: Object Oriented Programming Techniques	0, 1	1	CSC 1103, CSCL 1103
	CSC 1206	Probability and Statistics	3, 0	3	
	CSC 1207	Digital Logic Design	2, 0	2	
	CSCL 1207	Lab: Digital Logic Design	0, 1	1	
	CSC 1209	Islamic Studies/ Humanities	2, 0	2	
	CSC 3115	Understanding of Holy Quran-I (For Muslim Students only)	1, 0	1	
	CSC 1109	Pakistan Studies	2, 0	2	
	CSC 2101	Communication and Presentation Skills	3, 0	3	CSC 1102
Sub-Total			18		
Second Year					
Fall Semester					
3	CSC 2102	Data Structures and Algorithms	3, 0	3	CSC 1208, CSCL 1208
	CSCL 2102	Lab: Data Structures and Algorithms	0, 1	1	CSC 1208, CSCL 1208
	CSC 1201	Discrete Mathematical Structures	3, 0	3	
	CSC 2206	Linear Algebra	3, 0	3	
	CSC 3105	Computer Organization and Assembly Language	2, 0	2	CSC 1207, CSCL 1207
	CSCL 3105	Lab: Computer Organization and Assembly Language	0, 1	1	CSC 1207, CSCL 1207
	CSC 3109	Software Engineering	3, 0	3	
	CSC 3215	Understanding of Holy Quran-II (For Muslim Students only)	1, 0	1	CSC 3115
	CSC xxxx	Ethics and Morality (For Non-Muslim Students only)	2, 0	2	
	SEC xxxx	University Elective-1	2, 0	2	
Sub-Total			19		

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

Sem.	Codes	Course Title	Cr.Hrs.		Pre-Req.
Spring Semester					
4	CSC 3107	Operating Systems	2, 0	2	
	CSCL 3107	Lab: Operating Systems	0, 1	1	
	CSC 2203	Database Systems	3, 0	3	CSC 2102, CSCL2102
	CSCL 2203	Lab: Database Systems	0, 1	1	CSC 2102, CSCL2102
	SEC 2406	Software Design and Architecture	3, 0	3	
	CSC 1202	Multivariate Calculus	3, 0	3	CSC 1101
	SEC 2407	Software Requirement Engineering	2, 0	2	CSC 3109
	SECL 2407	Lab: Software Requirement Engineering	1, 0	1	CSC 3109
	CSC 1211	Ideology and Constitution of Pakistan	2, 0	2	
Sub-Total			18		
Third Year					
Fall Semester					
5	SEC 3604	Software Construction and Development	2, 0	2	SEC 2406
	SECL 3604	Lab: Software Construction and Development	0, 1	1	SEC 2406
	CSC 3209	Computer Networks	2, 0	2	
	CSCL 3209	Lab: Computer Networks	0, 1	1	
	CSC 1205	Technical and Business Writing	3, 0	3	CSC 1102
	CSC 3202	Design and Analysis of Algorithms	3, 0	3	CSC 2102, CSCL2102
	CSC 3110	Community Service	1, 0	1	
	CSC 3111	Entrepreneurship	2, 0	2	
	Sub-Total			15	
Spring Semester					
6	SEC 3608	Software Quality Engineering and Testing	3, 0	3	SEC 3604, SECL 3604
	CSC 4107	Information Security	2, 0	2	
	CSC 4107	Lab: Information Security	0, 1	1	
	CSC 4109	Professional Practices	2, 0	2	
	SEC xxxx	SE Elective-1	3, 0	3	
	SEC xxxx	SE Elective-2	3, 0	3	
	CSC 3206	Artificial Intelligence	2, 0	2	
	CSCL 3206	Lab: Artificial Intelligence	0, 1	1	
	Sub-Total			17	
Fourth Year					
Fall Semester					
7	CSC 4105	Final Year Project-I	0, 3	3	
	SEC 3603	Software Project Management	3, 0	3	CSC 3109
	SEC xxxx	SE Elective-3	3, 0	3	
	SEC xxxx	SE Elective-4	3, 0	3	
	CSC 4106	Parallel and Distributed Computing	3, 0	3	CSC 3107, CSCL 3107
	Sub-Total			15	
Spring Semester					
8	CSC 4205	Final Year Project-II	0, 3	3	CSC 4105
	SEC xxxx	University Elective-2	2, 0	2	
	SEC xxxx	SE Elective-5	3, 0	3	
	SEC xxxx	SE Elective-6	3, 0	3	
	SEC xxxx	SE Elective-7	3, 0	3	
	Sub-Total			14	
Grand-Total			132		

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

Following Two mathematics deficiency courses will be offered to those students who have limited mathematical background if deemed necessary by relevant PM.

CSC 1110 Algebraic Foundations and Applications in Computing

CSC 1111 Differential and Integral Calculus in Computing

SE Electives

SEC 3612 Mobile Application Development
 SEC 3614 Computer Graphics
 SEC 4511 e-Commerce
 SEC 4514 Introduction to Data Science
 SEC 4515 Digital Image Processing
 SEC 4518 Visual Programming
 SEC 4519 Software Engineering Economics
 SEC 4521 Agent Based Software Engineering
 SEC 4522 Big Data Analytics
 SEC 4523 Computational Intelligence
 SEC 4524 Computer Vision
 SEC 4525 Data Encryption and Security
 SEC 4526 Design Patterns
 SEC 4528 Game Development
 SEC 4529 Global Software Development
 SEC 4531 Information Systems Audit
 SEC 4532 Introduction to Cloud Computing
 SEC 4533 Management Information Systems
 SEC 4534 Modeling and Simulation
 SEC 4535 Multimedia Communication
 SEC 4536 Natural Language Processing
 SEC 4538 Real Time Systems
 SEC 4539 Semantic Web
 SEC 4542 Software Metrics
 SEC 4543 Systems Programming
 SEC 4544 Technopreneurship
 SEC xxxx User Interface Design
 SEC xxxx Virtual and Argument Reality
 SEC xxxx AI in Game Development
 SEC xxxx Introduction to Development Operations
 SEC xxxx Algorithmic Trading
 SEC xxxx Formal Methods in Software Engineering

UNIVERSITY ELECTIVES (2,0)

SEC xxxx Financial Accounting
 SEC xxxx Human Resource Management
 SEC xxxx Sociology
 SEC xxxx Foreign Languages
 SEC xxxx Management Principles
 SEC xxxx Organizational Behavior
 SEC xxxx Psychology

DISTRIBUTION OF CREDIT HOURS

Areas	Cr. Hrs.	Courses
Computing Core	46	14
Domain Core	18	6
Domain Elective	21	7
Mathematics and Supporting Courses	9	3
Elective Supporting Courses	4	2
General Education Requirement	34	15
Total	132	47

Internship

The internship is scheduled at the end of the third year. After completing the six-week internship, all students must submit a comprehensive report, giving details of their experience and learning.

All courses may not be offered in every semester. Elective courses may vary from time to time. Alternative courses may be substituted as and when required.



FACULTY OF COMPUTING AND ENGINEERING SCIENCES

MS Computer Science

SZABIST offers MSCS degree in three specialization including: Core Computer Science, Software Engineering (SE) and Networks and Security (N&S) in order to cater to the market needs. Students have to complete 3 focused courses in any specific domain.

The program is of 2-year duration and is offered in the evening. It requires 35 credit hours to complete. Although the institutional administration emphasize and encourage students to undertake research, they can take two courses in lieu of research in specific domains. If student opts for course work only, he/she is required to complete 11 courses of 03 credit hours and 02 General Education courses of 01 credit hours each on understanding of Holy Quran for muslim students or Ethics and Morality for non-muslim students. For Research based stream, the student is required to complete 11 courses (29 credit hours) and two Independent Research Studies (6 credit hours) OR one Thesis (6 credit hours). The maximum time limit to complete the MS degree is 4 years.

Master of Science in Computer Science (In Core Computer Science)

First Year

First Semester

CSC 5105	Research Methodology
CSC 5101	Advanced Algorithms Analysis
CSC 5102	Theory of Computation
CSC 5110	Understanding of Holy Quran-I (For Muslim Students only)

Second Semester

CSC 5201	Advanced Operating Systems
CSC 5202	Advanced Computer Architecture
CSC 5xxx	Elective-I (from CS Stream)
CSC 5210	Understanding of Holy Quran-II (For Muslim Students only)
CSC xxxx	Ethics and Morality (For Non-Muslim Students only)

Second Year

Third Semester

CSC 5xxx	Thesis/Independent Research Study-I OR Course (from CS-Stream)
CSC 5xxx	Elective-II (from CS-Stream)
CSC 5xxx	Elective-III (from CS-Stream)

Fourth Semester

CSC 5xxx	Thesis/Independent Research Study-II OR Course (from CS-Stream)
CSC 5xxx	Elective-IV (from CS-Stream)

Master of Science in Computer Science (With Specialization in Software Engineering)

First Year

First Semester

CSC 5105	Research Methodology
CSC 5101	Advanced Algorithms Analysis
CSC 5102	Theory of Computation
CSC 5110	Understanding of Holy Quran-I (For Muslim Students only)

Second Semester

CSC 5201	Advanced Operating Systems
CSC 5202	Advanced Computer Architecture
SEC 5xxx	Elective-I (from SE Stream)
CSC 5210	Understanding of Holy Quran-II (For Muslim Students only)
CSC xxxx	Ethics and Morality (For Non-Muslim Students only)

Second Year

Third Semester

CSC/SEC 5xxx	Thesis/Independent Research Study I OR Course (from CS Stream or from SE-Stream)
SEC 5xxx	Elective-II (from SE-Stream)
SEC 5xxx	Elective-III (from SE-Stream)

Fourth Semester

CSC/SEC 5xxx	Thesis/Independent Research Study II OR Course (from CS Stream or from SE-Stream)
SEC 5xxx	Elective-IV (from SE-Stream)

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

Master of Science in Computer Science (With Specialization in Networks & Security)

First Year

First Semester

CSC 5105	Research Methodology
CSC 5101	Advanced Algorithms Analysis
CSC 5102	Theory of Computation
CSC 5110	Understanding of Holy Quran-I (For Muslim Students only)

Second Semester

CSC 5201	Advanced Operating Systems
CSC 5202	Advanced Computer Architecture
NSC 5xxx	Elective-I (from N&S Stream)
CSC 5210	Understanding of Holy Quran-II (For Muslim Students only)
CSC xxxx	Ethics and Morality (For Non-Muslim Students only)

Second Year

Third Semester

CSC/NSC 5xxx	Thesis/Independent Research Study I OR Course (from CS Stream or from N&S-Stream)
NSC 5xxx	Elective-II (from N&S-Stream)
NSC 5xxx	Elective-III (from N&S-Stream)

Fourth Semester

CSC/NSC 5xxx	Thesis/Independent Research Study II OR Course (from CS Stream or from N&S-Stream)
NSC 5xxx	Elective-IV (from N&S-Stream)

CS-Stream

CSC 5164	Real-Time Systems
CSC 5162	Digital Image Processing
CSC 5161	Machine Learning
CSC 5163	Data Mining
CSC 5166	Operation Research
CSC 5167	Deep Learning
CSC 5264	Expert Systems
CSC 5267	Reverse Engineering
CSC 5266	Digital Forensics and Malware Analysis
CSC 5263	Advanced Resource Sharing Architecture
CSC 5262	Computer Vision
CSC 5268	Robotics
CSC 5261	Advanced Database Design
CSC 5265	Distributed Computing
CSC 5269	Systems and Network Programming

CSC 5168	Big Data Analytics
CSC 5271	Natural Language Processing

SE-Stream

SEC 5163	Software Requirement Engineering
SEC 5161	Software System Architecture
SEC 5164	Software System Quality
SEC 5162	Advanced Software Engineering
SEC 5261	Software Analysis and Testing
SEC 5263	Web Engineering
SEC 5262	Software Project Management

N&S-Stream

NSC 5161	Advanced Computer Networks
NSC 5163	Network Security
NSC 5164	Applied Cryptography
NSC 5162	Information Security
NSC 5165	Cyber Security
NSC 5261	Wireless Sensor Networks
NSC 5264	Telecom Policies and Regulations
NSC 5263	Mobile Ad-hoc Networks
NSC 5262	Advanced Data Communications
NSC 5265	Advanced Routing and Switching
NSC 5166	Advanced Ethical Hacking
NSC xxxx	Digital Forensics
NSC xxxx	Block Chain & Crypto Assets

Pre-Requisites:

- For any advanced course, pre-requisite course must have been taken before.
- For each track, the following courses must have been done prior to admission.

MS (CS) (In Core Computer Science)

Programming Fundamentals
Data Structures
Operating Systems
Finite Automata Theory and Formal Languages

MS (CS) with SE-Specialization

Programming Fundamentals
Data Structures
Operating Systems
Software Engineering

MS (CS) with N&S-Specialization

Programming Fundamentals
Data Structures
Operating Systems
Data Communication and Computer Networks

Full time academic load is three courses. All students are required to register for full load in the first semester.

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

MS Cyber Security

The MS (Cyber Security) program is of 2-years duration and is offered in the evening. It requires 35 credit hours, including 4 core courses (3 credits each), 5 elective courses (3 credits each), 02 courses of 01 credit hour each on understanding of Holy Quran for muslim students or Ethics and Morality for non-muslim students and a thesis (2 x 3 Credits). Although the institutional administration emphasize and encourage students to undertake research, they can take two courses in lieu of research. If student opts for course work only, he/she is required to complete 11 courses of 03 credit hours and 02 courses of 01 credit hour each on understanding of Holy Quran for muslim students or Ethics and Morality for non-muslim students. For Research based stream, the student is required to complete 11 courses (29 credit hours) and two Independent Research Studies (6 credit hours) OR a Thesis (6 credit hours). The maximum time limit to complete the degree is 4 years.

The program has been designed to give students the option to be part of a innovative IT solutions such as mobile technology, Online banking and electronic government services into everyday use. However, with so many e-solutions and such extensive use of the Internet, attention needs to be turned to the security issue. Cyber systems require innovative and secure IT solutions for everyday use. The goal of the program is to enable students to apply scientific and technological development in building a secure information society. The aim is to make technology-driven solutions to secure cyberspace. Moreover, to allow students to have hands-on digital forensics experience, this deals with the investigation and recovery of information found in digital devices to identify computer-based crime. The area is becoming critical for both data security and law enforcement. MS in Cyber Security offers strong expertise for a career in securing and managing the cyber society. The maximum time limit to complete the MS degree is four years.

Key objectives of the program are as follow:

- PEO-1 Recognize and evaluate security requirements and issues in organizations using IT systems.
- PEO-2 Assess cyber security risk management policies to protect an organization's critical information and assets adequately.
- PEO-3 Measure the performance of security systems within an enterprise-level information system to maintain and update an enterprise-level information security system.
- PEO-4 Implement continuous network monitoring and provide real-time security solutions.

Research Based Stream

First Year

First Semester

CYS 5101	Applied Cryptography
CYS 5103	Network Security
CYS 5102	Information Security
CYS 5110	Understanding of Holy Quran-I (For Muslim Students only)

Second Semester

CYS 5201	Digital Forensics
CYS 5xxx	Elective-I
CYS 5xxx	Elective-II
CYS 5210	Understanding of Holy Quran-II (For Muslim Students only)
CYS 5xxx	Ethics and Morality (For Non-Muslim students only)

Course Work Based Stream

First Year

First Semester

CYS 5101	Applied Cryptography
CYS 5103	Network Security
CYS 5102	Information Security
CYS 5110	Understanding of Holy Quran-I (For Muslim Students only)

Second Semester

CYS 5201	Digital Forensics
CYS 5xxx	Elective-I
CYS 5xxx	Elective-II
CYS 5210	Understanding of Holy Quran-II (For Muslim Students only)
CYS 5xxx	Ethics and Morality (For Non-Muslim students only)

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

Second Year

Third Semester

CYS 5xxx	Elective-III
CYS 5xxx	Elective-IV
CYS 5109	Thesis (Part-1) /IRS-I

Fourth Semester

CYS 5xxx	Elective-V
CYS 5209	Thesis (Part-II) /IRS-II

Electives Courses

CYS 5234	Network Penetration Testing and Countermeasures
CYS 5237	Security in Mobile and Wireless Networks
CYS 5332	Ethical Hacking
CYS 5334	Malware Detection and Analysis
CYS 5232	Blockchain and Crypto Assets
CYS 5333	Intrusion Detection and Firewalls
CYS 5235	Reverse Engineering and Malware Analysis

Deficiency Courses

Programming Fundamentals (Core Programming Course)
Data Structures & Algorithms OR Design & Analysis of Algorithms
Computer Networks

Pre-Requisites:

For any advanced course, pre-requisite course must have been taken before.

Second Year

Third Semester

CYS 5xxx	Elective-III
CYS 5xxx	Elective-IV
CYS 5xxx	Elective-V

Fourth Semester

CYS 5xxx	Elective-VI
CYS 5xxx	Elective-VII

CYS 5335	Security and Privacy for the Smart Grid
CYS 5233	Machine Learning for Cyber Security
CYS 5337	Security Modelling and Analysis of Mobile Agent Systems
CYS 5236	Security in Ad Hoc Sensor Networks
CYS 5336	Security in Cloud Environment
CYS 5231	Advanced Topic in Cyber Security - I
CYS 5331	Advanced Topic in Cyber Security - II
CYS 5238	Research Methodology

DISTRIBUTION OF CREDIT HOURS

Course type	Courses	Credit Hours
Core Courses	4 x 3	12
Electives	5 x 3	15
Compulsory Courses	02	02
Thesis	2 x 3	06
Total		35



FACULTY OF COMPUTING AND ENGINEERING SCIENCES

PhD (Computing)

The PhD program requires students to complete 50 credit hours. Course work of 20 credits is needed which include core courses, electives and Independent Research Study. Dissertation of 30 credits is also required to complete. The maximum time limit to complete the PhD degree is 8 years.

First Year

Fall Semester

CSC 6101	Research Methodology*
CSC 6xxx	Elective-I
CSC 6xxx	Elective-II
CYS 6110	Understanding of Holy Quran-I
CYS 6xxx	(For Muslim Students only)

Spring Semester

CSC 6xxx	Independent Research Study
CSC 6xxx	Elective-III
CSC 6xxx	Elective-IV
CYS 6210	Understanding of Holy Quran-II
	(For Muslim Students only)
CYS 6xxx	Ethics and Morality
	(For Non-Muslim Students only)

Elective courses are listed under different streams in MS Computer Science, MS Data Science and MS Cyber Security program.

After the successful completion of the course work, Students are required to pass a Comprehensive Examination in order to obtain PhD Candidacy, after which the research work begins. The entire research work is carried out under the supervision of the PhD supervisor assigned and approved in accordance with university procedures. The completed research must be submitted in the form of a "Dissertation" after a minimum period of two years.

Second Year

Fall Semester

CSC 6xxx	Dissertation
----------	--------------

Spring Semester

CSC 6xxx	Dissertation
----------	--------------

PhD coursework credits may be implemented via selection of a particular mode of course execution (as recommended by the BASR).

*The course of Research Methodology is compulsory if not done in Masters.

Third Year

Fall Semester

CSC 6xxx	Dissertation
----------	--------------

Spring Semester

CSC 6xxx	Dissertation
----------	--------------



FACULTY OF COMPUTING AND ENGINEERING SCIENCES



DEPARTMENT OF ROBOTICS & ARTIFICIAL INTELLIGENCE

The Department of Robotics & Artificial Intelligence at SZABIST University is committed to provide world-class, hi-tech, scientific, and technological expertise in the field of Artificial Intelligence, Robotics, and Data Science. Globally, the hybridization of these fields has rendered robust, intelligent, autonomous, and real-time systems for modern applications. Moreover, the Department of Robotics & Artificial Intelligence at SZABIST University is aimed to produce quality graduates. The students are encouraged to render cutting-edge research & development in the domain of Robotics and Artificial Intelligence to handle socio-economic challenges.

PROGRAMS

The Department of Robotics & Artificial Intelligence at SZABIST University offers degree programs both at the undergraduate and graduate levels. All programs being offered in the Department of Robotics & Artificial Intelligence are fully in-line with the guidance of the Higher Education Commission(HEC) and in accordance with the national and global industrial needs. The Department of Robotics & Artificial Intelligence offers the following degree programs:

- BS Artificial Intelligence
- MS Data Science

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

BS ARTIFICIAL INTELLIGENCE

The Bachelor of Science in Artificial Intelligence BS(AI) program is offered by the Department of Robotics & Artificial Intelligence. This comprehensive four-year program encompasses a total of 47 courses, amounting to 132 credit hours. To fulfill the degree requirements, students are provided with internship opportunities, integrating practical experience with academic learning. The BS(AI) program is structured as a full-time, daytime curriculum, meticulously designed to cover the forefront of technological advancements in fields such as Machine Learning, Deep Learning, Explainable AI, Knowledge Representation and Reasoning, Computer Vision, Software Engineering, and Natural Language Processing. The program comprises of 46 credit hours of Computing Core courses, 18 credit hours of Domain Core courses, 21 credit hours of Domain Electives, 12 credit hours of Mathematics and Supporting courses, 4 credit hours of Elective Supporting courses, and 31 credit hours of General Education Requirement courses including 02 compulsory courses of Understanding of Holy Quran for Muslim students (01 credit each) and Ethics and Morality for Non-Muslim students (02 credits). The maximum duration of the program is six years.

Mission Statements

To provide a quality education in Artificial Intelligence in order to produce scientifically, technologically, and professionally competent graduates who are adept to perform a significant role in the continuing transformation of local and global society.

Program Educational Objectives

Following are the Program Educational Objective (PEO)

PEO 1: To equip students with the necessary skills and knowledge to solve complex problems in real-world settings.

PEO 2: To produce graduates practicing in the area of Artificial Intelligence in a socially and ethically responsible way.

PEO 3: To prepare students for lifelong learning skills in Artificial Intelligence and allied disciplines.

Graduate Attributes

It is intended to produce the following measurable outcomes at the time of graduation. Graduates of the program will have:

GA-1 Academic Education: Completion of an accredited program of study designed to prepare graduates as computing professionals.

GA-2 Knowledge for Solving Computing Problems: Apply knowledge of computing fundamentals, knowledge of a computing specialization, and mathematics, science, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.

GA-3 Problem Analysis: Identify and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

GA-4 Design/Development of Solutions: Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs.

GA-5 Modern Tool Usage: Create, select, or adapt and then apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.

GA-6 Individual and Teamwork: Function effectively as an individual and as a member or leader of a team in multidisciplinary settings.

GA-7 Communication: Communicate effectively with the computing community about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.

GA-8 Computing Professionalism and Society: Understand and assess societal, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice.

GA-9 Ethics: Understand and commit to professional ethics, responsibilities, and norms of professional computing practice.

GA-10 Life-long Learning: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

BS ARTIFICIAL INTELLIGENCE CURRICULUM

Codes	Course Title	Cr.Hrs.	Pre-Req.
First Year			
Semester - I			
CSC 1101	Calculus and Analytical Geometry	3, 0	-
CSC 1102	English Composition and Comprehension	3, 0	-
CSC 1103	Fundamentals of Programming	3, 0	-
CSCL 1103	Lab: Fundamentals of Programming	0, 1	-
CSC 1108	Introduction to Computer Science	2, 0	-
CSCL1108	Lab: Introduction to Computer Science	0, 1	-
CSC 1107	Applied Physics	2, 0	-
CSCL 1107	Lab: Applied Physics	0, 1	-
Sub-total		16	

Semester - II			
CSC 1208	Object Oriented Programming Techniques	3, 0	CSC 1103, CSCL 1103
CSCL 1208	Lab: Object Oriented Programming Techniques	0, 1	CSC 1103, CSCL 1103
CSC 1206	Probability and Statistics	3, 0	-
CSC 1207	Digital Logic Design	2, 0	-
CSCL 1207	Lab: Digital Logic Design	0, 1	-
CSC 1209	Islamic Studies / Humanities	2, 0	-
CSC 3115	Understanding of Holy Quran-I (For Muslim Students only)	0,1	-
CSC 1109	Pakistan Studies	2, 0	-
CSC 2101	Communication and Presentation Skills	3, 0	CSC 1102
Sub-total		18	

Second Year			
Semester - III			
CSC 2102	Data Structures and Algorithms	3,0	CSC 1208, CSCL 1208
CSCL 2102	Lab: Data Structures and Algorithms	0,1	CSC 1208, CSCL 1208
CSC 3105	Computer Organization and Assembly Language	2,0	CSC 1207, CSCL 1207
CSCL 3105	Lab: Computer Organization and Assembly Language	0,1	CSC 1207, CSCL 1207
CSC 1201	Discrete Mathematical Structures	3,0	-
CSC 3206	Artificial Intelligence	2,0	CSC 1208, CSCL 1208
CSCL 3206	Lab: Artificial Intelligence	0,1	CSC 1208, CSCL 1208
CSC 1202	Multivariate Calculus	3,0	CSC 1101
CSC 1211	Ideology and Constitution of Pakistan	2,0	
CSC 3215	Understanding of Holy Quran-II (For Muslim Students only)	0,1	CSC 3115
CSC xxxx	Ethics and Morality (For Non-Muslim Students only)	2,0	
Sub-total		(19/20)	

Semester - IV			
CSC 3209	Computer Networks	2,0	-
CSCL 3209	Lab: Computer Networks	0,1	-
CSC 2203	Database Systems	3,0	CSC 2102, CSCL 2102
CSCL 2203	Lab: Database Systems	0,1	CSC 2102, CSCL 2102
CSC 3202	Design and Analysis of Algorithms	3,0	CSC 2102, CSCL 2102
AIC 2401	Programming for Artificial Intelligence	2,0	CSC 3206, CSCL 3206
AIICL 2401	Lab: Programming for Artificial Intelligence	0,1	CSC 3206, CSCL 3206
CSC 2206	Linear Algebra	3,0	
AIC xxxx	AI Elective - I	3,0	
Sub-total		19	

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

BS ARTIFICIAL INTELLIGENCE CURRICULUM

Codes	Course Title	Cr.Hrs.	Pre-Req.
Third Year			
Semester - V			
CSC 3107	Operating Systems	2, 0	-
CSCL 3107	Lab: Operating Systems	0, 1	-
AIC 3501	Artificial Neural Networks	2, 0	AIC 2401, AICL 2401
AICL 3501	Lab: Artificial Neural Networks	0, 1	AIC 2401, AICL 2401
AIC 3503	Machine Learning	2, 0	AIC 2401, AICL 2401
AICL 3503	Lab: Machine Learning	0, 1	AIC 2401, AICL 2401
AIC 3502	Knowledge Representation and Reasoning	3, 0	AIC 2401, AICL 2401
AIC xxxx	AI Elective - II	3, 0	-
CSC 3111	Entrepreneurship	2, 0	-
Sub-total		17	

Semester - VI			
CSC 1205	Technical and Business Writing	3,0	CSC 1102
AIC 3605	Computer Vision	2, 0	AIC 3501, AICL 3501
AICL 3605	Lab: Computer Vision	0, 1	AIC 3501, AICL 3501
AIC xxxx	University Elective - I	2, 0	-
CSC 3109	Software Engineering	3, 0	-
AIC xxxx	AI Elective - III	3,0	-
CSC 3110	Community Service	1, 0	-
Sub-total		15	

Fourth Year			
Semester - VII			
CSC 4107	Information Security	2, 0	-
CSCL 4107	Lab: Information Security	0, 1	-
CSC 4109	Professional Practices	2, 0	-
AIC 4xxx	AI Elective - IV	3, 0	-
AIC 4xxx	AI Elective - V	3, 0	-
AIC 4707	Final Year Project - I	0, 3	-
AIC xxxx	AI Elective - VI	3, 0	-
Sub-total		17	

Semester - VIII			
AIC 4807	Final Year Project-II	0, 3	AIC 4707
AIC 4xxx	AI Elective – VII	3, 0	-
CSC 4106	Parallel and Distributed Computing	3, 0	CSC 3107, CSCL 3107
CSC xxxx	University Elective - II	2, 0	-
Sub-total		11	
Total Credit Hours		132	

The following two mathematics deficiency courses (non-credit courses) will be offered to students with limited mathematical background, as identified by the relevant PM/HOD.

Deficiency Courses

- CSC 1110 Algebraic Foundations and Applications in Computing
- CSC 1111 Differential and Integral Calculus in Computing

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

Domain Electives

AIC 4714 Natural Language Processing
 AIC 4701 Advanced Statistics
 AIC 4702 Deep Learning
 AIC 4703 Evolutionary Computing
 AIC 4704 Knowledge Based Systems
 AIC 4705 Swarm Intelligence
 AIC 4706 Theory of Automata and Formal Languages
 AIC 4711 Big Data Analytics
 AIC 4712 Game Artificial Intelligence
 AIC 4713 Mobile Application Development
 AIC 4715 Web Programming with Django
 AIC 4801 Agent Based Modeling
 AIC 4802 Data Mining
 AIC 4803 Fuzzy Systems
 AIC 4804 Reinforcements Learning
 AIC 4805 Speech Processing
 AIC 4811 Digital Image and Video Processing
 AIC 4812 Generative AI

AIC 4813 HCI & Computer Graphics
 AIC 4814 Numerical Computing
 AIC 4815 Virtual and Augmented Reality
 AIC 4716 Embedded Systems
 AIC xxxx Algorithmic Trading

UNIVERSITY ELECTIVES (2,0)

AIC xxxx Business and Technology Ethics
 AIC xxxx Design and Creativity
 AIC xxxx Introduction to Accounting
 AIC xxxx Organizational Behavior
 AIC xxxx Foreign Languages
 AIC xxxx History of Scientific Ideas
 AIC xxxx Management Principles
 AIC xxxx Research Report
 AIC xxxx Sociology
 AIC xxxx Psychology
 AIC xxxx Financial Accounting
 AIC xxxx Introduction to Marketing

Distribution of Credit Hours		
Domain	Cr. Hrs.	Courses
Computing Core	46	14
Domain Core	18	06
Domain Elective	21	07
Mathematics and Supporting Courses	12	04
Elective Supporting Courses	04	02
General Education Requirement	31	14
Total	132	47



FACULTY OF COMPUTING AND ENGINEERING SCIENCES

Master of Science in Data Science

The Master of Science in Data Science (MS DSc) program is offered by the Department of Robotics & Artificial Intelligence. This two-year evening program requires the completion of 32 credit hours. The curriculum includes 3 core courses, 2 specialization courses in data science, and 3 elective courses and 2 General Education Requirement (GER) courses of Understanding of Holy Quran for Muslim students (01 credit each) and Ethics and Morality for Non-Muslim students (02 credits). Additionally, students have the option to complete the MS DSc either through coursework or with research work. For those choosing the coursework route, it is mandatory to complete 2 additional courses, each worth 3 credit hours. On the other hand, students opting for the research path must undertake either 2 Independent Research Studies (IRS), totaling 6 credit hours, or a research thesis of 6 credit hours. The maximum allowable duration to complete the MS DSc degree is 4 years.

Program Objectives

The MS DSc program is designed to aimed the following program objectives:

- PEO 1:** To equip students to transform data into actionable insights to make complex business decisions.
- PEO 2:** To enable students, understand and analyze a problem and arrive at computable solutions.
- PEO 3:** To expose students to the set of technologies that match those solutions.
- PEO 4:** To gain hands-on experience on data-centric tools for statistical analysis, visualization and big data applications at the same rigorous scale as in a practical data science project.
- PEO 5:** To understand the implications of handling data in terms of data security and business ethics.

First Year

First Semester

- DSC 5101 Statistical and Mathematical Methods for Data Science
- DSC 5107 Tools and Techniques in Data Science
- DSC 5310 Understanding of Holy Quran-I
(For Muslim Students only)
- DSC xxxx Elective-I

Second Semester

- DSC 5201 Machine Learning
- DSC 5410 Understanding of Holy Quran-II
(For Muslim Students only)
- DSC 5xxx Ethics and Morality
(For Non-Muslim Students only)
- DSC xxxx Specialization-Elective-I
- DSC xxxx Specialization-Elective-II

Second Year

Third Semester

- DSC xxxx Elective-II
- DSC xxxx Elective-III
- DSC xxxx Thesis/Independent Research Study-I or Elective Course

Fourth Semester

- DSC xxxx Thesis/Independent Research Study-II or Elective Course



DISTRIBUTION OF CREDIT HOURS	
Course Types	Cumulative Credits
Core courses (3)	9
Specialization Requirement Courses (2)	6
General Education Requirement Courses	2
Electives (3)	9
Thesis (I & -II) or Elective (II & V) or Independent Research Study (I & II)	6
Total	32

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

Core Courses	Cr.Hrs
DSC 5101 Statistical and Mathematical Methods for Data Science	3
DSC 5107 Tools and Techniques in Data Science	3
DSC 5201 Machine Learning	3

Specialization Courses	Cr.Hrs
DSC 5242 Big Data Analytics	3
DSC 5223 Deep Learning	3
DSC 5241 Natural Language Processing	3
DSC 5243 Distributed Data Processing	3

Deficiency Courses
DSC xxxx Programming Fundamentals (Core Programming Course)
DSC xxxx Data Structures and Algorithms OR Design and Analysis of Algorithms
DSC xxxx Database Systems

General Courses
DSC 5310 Understanding of Holy Quran-I
DSC 5410 Understanding of Holy Quran-II

Elective Courses

DSC 5121 Cloud Computing
 DSC 5122 Data Visualization
 DSC 5125 Algorithmic Trading
 DSC 5126 Bioinformatics
 DSC 5127 Distributed Data Processing and Machine Learning

DSC 5128 Inference and Representation
 DSC 5129 Optimization Methods for Data Science and Machine Learning
 DSC 5131 Social Network Analysis
 DSC 5132 Time-Series Analysis and Prediction
 DSC 5221 Advanced Computer Vision
 DSC 5222 Research Methodology
 DSC 5223 Deep Learning
 DSC 5224 Bayesian Data Analysis
 DSC 5225 Computational Genomics
 DSC 5226 Deep Reinforcement Learning
 DSC 5227 Distributed Machine Learning in Apache Spark
 DSC 5228 High-Performance Computing
 DSC 5229 Probabilistic Graphical Models
 DSC 5241 Natural Language Processing
 DSC 5242 Big Data Analytics
 DSC 5243 Distributed Data Processing
 DSC xxxx Information Retrieval
 DSC xxxx Business Intelligence
 DSC xxxx Computational Intelligence
 DSC xxxx Machine Learning Operations
 DSC xxxx Data Mining
 DSC xxxx Data Center Infrastructure Management & Operations

All courses may not be offered in every semester.

Elective courses may vary from time to time.

Alternative courses may be substituted as and when required.



FACULTY OF EDUCATION & SOCIAL SCIENCES



DEPARTMENT OF SOCIAL SCIENCES

Department of Social Sciences at SZABIST University aims to develop both intellectual and practical skill sets for our well-rounded students so that they shall face challenges of the 21st century and translate them into opportunities while keeping in mind social, economic and sustainable requirements of the region and beyond.

FACULTY OF EDUCATION & SOCIAL SCIENCES

Department of Social Sciences

BSSS (Economics, Sociology, International Relations, Development Studies)

To obtain a BSSS degree in Economics, Sociology, International Relations or Development studies students are required to complete a total of 146 credit hours within 6 years. The degree consists of a total of 48 courses, an internship and a Research Project / Capstone Project.

BS (Social Science) COURSE PLAN

Sem.	Codes	Course Title	Cr.Hrs.	Pre-Req.
First Year				
First Semester				
1	SS 1117	Computer and Web Skills	3	
	SS 1116	English for General Purposes	3	
	SS 1104	Introduction to Community Development and Philanthropy	3	
	SS 1201	Introduction to Social Sciences	3	
	SS 1114	Ideology and Constitution of Pakistan	2	
	SS 1212	Islamic Studies OR	2	
	SS 1213	Humanities* (For Non-Muslim students only)		
	SS 1120	Understanding of Holy Quran-I (For Muslim Students only)	1	
			17	
Second Semester				
2	SS 1217	Introduction to Psychology	3	
	SS 1215	Introduction to Economics	3	
	SS 1220	Introduction to Sociology	3	
	SS 1216	Introduction to International Relations	3	
	SS 1214	Introduction to Development Studies	3	
	SS 2320	Understanding of Holy Quran-II (For Muslim Students only)	1	SS 1120
	SS xxxx	Ethics and Morality (For Non-Muslim Students only)	2	
	SS 2413	Philosophy	3	
			(19/20)	
Second Year				
Third Semester				
3	SS 2316	English for Academic Purposes	3	SS 1116
	SS 2318	Mathematics and Statistics	3	
	SS xxxx	Pakistan Studies	2	
	SS 4xxx	Major-I	3	
	SS 4xxx	Major-II	3	
	SS 4xxx	Major-III	3	
			17	
Fourth Semester				
4	SS 2418	Statistical Inferences	3	SS 2318
	SS 2410	Entrepreneurship	3	
	SS 2407	Ecology	3	
	SS 4xxx	Major-IV	3	
	SS 4xxx	Major-V	3	
	SS 4xxx	Major-VI	3	
			18	

FACULTY OF EDUCATION & SOCIAL SCIENCES

Sem.	Codes	Course Title	Cr.Hrs.	Pre-Req.
Third Year				
Fifth Semester				
5	SS 4xxx	Foreign Language	3	
	SS 4xxx	Major-VII	3	
	SS 4xxx	Major-VIII	3	
	SS 4xxx	Major-IX	3	
	SS 4xxx	Major-X	3	
	SS 4xxx	Major-XI	3	
			18	
Sixth Semester				
	SS 3504	Research Methods	3	SS 2318, SS 2418
	SS 4xxx	Major-XII	3	
	SS 4xxx	Major-XIII	3	
	SS 4xxx	Major-XIV	3	
	SS 4xxx	Major-XV	3	
	SS 4xxx	Major-XVI	3	
			18	
Summer Semester				
	SS 3610	Internship	3	
Fourth Year				
Seventh Semester				
7	SS 4709	Research Project-I OR	3	SS 3504, SS 2318, SS 2418
	SS 4710	Capstone Project-I	3	
	SS 4xxx	Major-XVII	3	
	SS 4xxx	Major-XVIII	3	
	SS 4xxx	Major-XIX	3	
	SS 4xxx	Major-XX	3	
	SS 4xxx	Major-XXI	3	
			18	
Eighth Semester				
8	SS 4809	Research Project-II OR	3	SS 4709 SS 4710
	SS 4810	Capstone Project-II		
	SS 4xxx	Major-XXII	3	
	SS 4xxx	Major-XXIII	3	
	SS 4xxx	Major-XXIV	3	
	SS 4xxx	Major-XXV	3	
	SS 4xxx	Major-XXVI	3	
			18	
Total			146	

FACULTY OF EDUCATION & SOCIAL SCIENCES

MAJORS

Sociology

- SS 4271 Peace Movements
- SS 4141 Mass, Media and Society
- SS 4239 Social Justice
- SS 4241 Sociology of Education
- SS 4242 The Sociology of Poverty
- SS 4196 Social Theories-I
- SS 4296 Social Theories-II
- SS 4171 Class, Caste, and Ethnicity in South Asia
- SS 4172 Political Sociology
- SS 4272 Social Change in Pakistan
- SS 4169 Citizenship
- SS 4273 Urbanization
- SS 4197 The Sociology of Religion
- SS 4198 Sociology of Health
- SS 4295 Criminology
- SS 4238 Social Entrepreneurship
- SS 4220 Media and Violence
- SS 4269 Civil Society
- SS 4299 Sociology of Terrorism
- SS 4609 Sociology of Sex and Gender
- SS 4180 Artificial Intelligence and Society
- SS 4602 Governance and Social Policy Planning
- SS 4601 Digital Sociology
- SS 4600 Clinical Sociology
- SS 4607 Sociology of Crowd and Collective Behavior
- SS 4606 Social Problems of Pakistan
- SS 4605 Research and Techniques in Community Development
- SS 4608 Sociology of Family and Marriage
- SS 4280 Demography and Social Statistics
- SS 4603 Introduction to Violence against Women
- SS 4230 Project Development and Management

International Relations

- SS 4222 Strategic Studies
- SS 4176 Globalization and Global Governance
- SS 4174 Central and West Asian Studies
- SS 4175 European Studies
- SS 4177 Middle Eastern Studies
- SS 4179 Politics of Terrorism
- SS 4178 Muslim World
- SS 4278 Political Geography
- SS 4119 Arms Control and Disarmament
- SS 4133 Diplomacy
- SS 4400 Conflict Resolutions and Confidence Building Measures
- SS 4290 International Politics and Human Rights
- SS 4404 International Law-I
- SS 4405 International Law-II
- SS 4403 Foreign Policy of the USA

- SS 4411 Regional and International Organizations
- SS 4408 Modern Political Ideologies
- SS 4260 Foreign Policy Analysis
- SS 4218 International Political Economy
- SS 4409 Nuclear Studies and Non-Proliferation
- SS 4412 Regional Connectivity and Economic Integration
- SS 4407 International Security
- SS 4143 Comparative Politics
- SS 4413 Theories and Approaches of International Relations
- SS 4402 Evolution of State
- SS 4246 Peace Studies

Development Studies

- SS 4313 Principle of Microeconomics
- SS 4314 Principle of Macroeconomics
- SS 4231 Development Economics
- SS 4770 Migration, Refugees, and Development
- SS 4758 Development Concepts, Theories and Practice
- SS 4272 Social Change in Pakistan
- SS 4757 Cultural and Gender Dynamics in Development
- SS 4772 Tourism and Development
- SS 4605 Research and Techniques in Community Development
- SS 4765 Integrated Approaches to Urban and Rural Development
- SS 4768 Local Government and Community Development
- SS 4766 Leadership and Development
- SS 4761 Ethical Communication in Development
- SS 4762 Global Development Challenges and Governance
- SS 4754 Community Organizing and Consensus Building
- SS 4767 Livelihood and Sustainable Development
- SS 4769 Media and Development
- SS 4759 Development Project Planning, Budgeting and Execution
- SS 4756 Contemporary Challenges and Development Strategies
- SS 4752 Civil Society and Institutional Dynamics in Development
- SS 4310 Microfinance: Theory and Practice
- SS 4181 Capabilities and Human Development
- SS 4753 Climate Change and Adaptation Strategies
- SS 4760 Disaster Risk Reduction and Management: From Theory to Practice
- SS 4202 Monitoring and Evaluation
- SS 4240 Analytical Tools for Development

FACULTY OF EDUCATION & SOCIAL SCIENCES

SS 4751	Big Data and Machine Learning in Development Assessment
SS 4755	Conflict Management and Negotiation Skills
SS 4763	Green and Inclusive growth
SS 4771	Population and Development
SS 4140	Development Management
SS 4773	Waste Management and Development Challenges
SS 4764	Humanitarian Response and Relief Operations
SS 4204	Right-Based Approaches to Development

Economics

SS 4147	Development and Planning
SS 4261	Mathematical Economics
SS 4183	Industrial Economics
SS 4284	Trade Economics
SS 4128	Agriculture Economics
SS 4283	Labour Economics
SS 4184	Poverty and Inequality
SS 4228	History of Economic Thoughts
SS 4249	Pakistan Economy
SS 4155	Basic Econometrics
SS 4151	Managerial Economics
SS 4313	Principle of Microeconomics
SS 4314	Principle of Macroeconomics
SS 4312	Political Economy
SS 4304	Fiscal Policy Analysis

SS xxxx	Economic Growth
SS 4190	Intermediate Microeconomics
SS 4306	Intermediate Macroeconomics
SS 4315	Public Sector Economics
SS 4302	Environmental Economics
SS 4300	Energy Economics
SS 4317	Urban Economics
SS 4301	Entrepreneurial Economics
SS 4311	Money and Banking
SS 4250	Financial Economics
SS 4316	Time series Econometrics
SS 4308	Introduction to Development Economics
SS 4307	International Finance
SS 4309	Islamic Economics
SS 4510	Behavioral Economics
SS 4259	Financial Markets & Institutions
SS 4310	Microfinance: Theory and Practices
SS 4305	General Equilibrium Theory

All courses may not necessarily be offered in every year. Alternate courses may be substituted as and when required. Full time academic load is six courses. All students are required to register for full load in the first semester.

Internship

The internship is scheduled for summer at the end of the third year. After the completion of the 6-weeks internship, all students are required to submit a comprehensive report giving details of their experience and learning.

BS Psychology

The Faculty of Social Sciences offers a comprehensive Bachelor's degree in Psychology with a unique combination of three program electives: Clinical Psychology, Organizational Psychology, and Educational Psychology. The program is designed to provide students with a strong foundation in the principles and practices of Psychology, equipping them with diverse skills such as critical thinking, effective communication, empathy, interpersonal skills, problem-solving, and ethical awareness. The program emphasizes preparing students to address the complexities of human behavior and mental health, thereby equipping them for various early career opportunities.

BS Psychology is 4 year degree program comprising of 8 semesters. The student is required to complete 50 courses (143 credit hours) including internship (3 Credit Hours) and a research project/capstone project (6 Credit Hours). The maximum duration to complete the degree is 6 years.

BS PSYCHOLOGY CURRICULUM

Codes	Course Title	Cr.Hrs.	Pre-Req.
First Year			
Semester - I			
PSY 1101	Community Services and Philanthropy	3	----
PSY 1102	Computer and Web Skills	3	----
PSY 1103	English for General Purposes	3	----
PSY 1104	Introduction to Psychology	3	----
PSY 1105	Ideology and Constitution of Pakistan	2	----
PSY 1106	Introduction to Social Sciences	3	----
PSY 1111	Understanding of Holy Quran-I (For Muslim Students only)	1	----
Sub-total		18	

FACULTY OF EDUCATION & SOCIAL SCIENCES

Codes	Course Title	Cr.Hrs.	Pre-Req.
-------	--------------	---------	----------

Semester - II

PSY 1202	Contemporary issues in Psychology	3	----
PSY 1204	History of Psychology	3	PSY 1104
PSY 1205	Islamic Studies OR	2	----
PSY 1206	Humanities (for Non- Muslim students)		
PSY 1207	Philosophy (Arts and Humanities)	3	----
PSY 1211	Understanding of Holy Quran-II (For Muslim Students only)	1	PSY 1111
PSY xxxx	Ethics and Morality (For Non-Muslim Students only)	2	----
PSY xxxx	University Elective-I / Interdisciplinary course	3	----
PSY xxxx	University Elective-II / Interdisciplinary course	3	----
Sub-total		(18/19)	

Second Year

Semester - III

PSY 1203	English for Academic Purposes	3	PSY 1103
PSY xxxx	Mathematics and Statistics	3	----
PSY xxxx	Pakistan Studies	2	PSY 1105
PSY 3110	Personality Theories	3	----
PSY xxxx	Social Psychology	3	----
PSY xxxx	Basics of Professional Ethics in Psychology	3	----
Sub-total		17	

Semester - IV

PSY 2410	Entrepreneurship	3	----
PSY xxxx	Ecology (Natural Science)	3	----
PSY xxxx	Statistical Inference	3	Mathematics and Statistics
PSY 2111	Physiological Psychology	3	----
PSY xxxx	Organizational Psychology	3	----
PSY xxxx	Educational Psychology	3	----
Sub-total		18	

Third Year

Semester - V

PSY xxxx	Data Analysis	3	Mathematics and Statistics, Statistical Inference
PSY 2107	Experimental Psychology	3	----
PSY 2105	Cross Cultural Psychology	3	----
PSY 2113	Psychopathology-I	3	----
PSY 3106	Environmental Psychology	3	----
PSY 3108	Gender Issues in Psychology	3	----
Sub-total		18	

Semester - VI

PSY 2402	Research Methods	3	Mathematics and Statistics, Statistical Inference, Data Analysis
PSY 2112	Physiological Testing	3	----
PSY 3102	Clinical Psychology	3	----
PSY 3113	Psychopathology II	3	PSY 2113
PSY 4xxx	Program Elective-I	3	----
PSY 4xxx	Program Elective-II	3	----
Sub-total		18	

Summer

PSY 4810	Internship	3	----
----------	------------	---	------

FACULTY OF EDUCATION & SOCIAL SCIENCES

Codes	Course Title	Cr.Hrs.	Pre-Req.
Fourth Year			
Semester - VII			
PSY 4705 PSY 4706	Capstone Project-I OR Research Project-I	3	Research Method Statistical Inference
PSY 2104	Counseling and Psychotherapy	3	----
PSY 2108	Forensic Psychology	3	----
PSY xxxx	Sports Psychology	3	----
PSY xxxx	Program Elective-III	3	----
PSY xxxx	Program Elective-IV	3	----
Sub-total		18	
Semester - VIII			
PSY 4805 PSY 4806	Capstone Project OR Research Project-II	3	PSY 4705 PSY 4706
PSY 3109	Health Psychology	3	----
PSY xxxx	Program Elective-V	3	----
PSY xxxx	Program Elective-VI	3	----
PSY xxxx	Program Elective-VII	3	----
Sub-total		15	

MAJORS

Psychology

PSY 1104 Introduction to Psychology
 PSY 2107 Experimental Psychology
 PSY 3105 Developmental Psychology
 PSY 2106 Educational Psychology
 PSY 2111 Physiological Psychology
 PSY 2110 Social Psychology
 PSY 3110 Personality Theories
 PSY 2116 Health Psychology
 PSY 2112 Psychological Testing
 PSY 3102 Clinical Psychology
 PSY 2109 Organizational Psychology
 PSY 2104 Counseling & Psychotherapy
 PSY 2108 Forensic Psychology
 PSY 3107 Family and Relationship Counseling
 PSY 3108 Gender Issues in Psychology
 PSY 3106 Environmental Psychology
 PSY 2103 Community Psychology
 PSY 3103 Cognitive Psychology
 PSY 3112 Psychodynamic Approaches
 PSY 3104 Contemporary issues in Psychology
 PSY 2113 Psychopathology-I
 PSY 2105 Cross cultural Psychology
 PSY 2114 Sports Psychology
 PSY 3113 Psychopathology-II
 PSY 2115 Statistics in Psychology
 PSY 3111 Positive Psychology
 PSY 3114 Rehabilitation Psychology
 PSY 2102 Clinical Internship
 PSY 2101 Abnormal Psychology
 PSY xxxx Basics of Professional Ethics in Psychology

PROGRAM ELECTIVES:

Organizational Psychology

PSY 4315 Marketing and Consumer Psychology
 PSY 4316 Occupational Health, Safety, and Well-Being
 PSY 4314 Leadership Psychology
 PSY 4311 Entrepreneurship Management
 PSY 4319 Workplace Psychological Assessment
 PSY 4312 Human Resource Management
 PSY 4313 Leadership Development and Work Motivation
 PSY 4318 Training and Development
 PSY 4317 Organizational Behavior
 PSY 4318 Training and Development

Educational Psychology

PSY 4215 Theories of Educational Psychology
 PSY 4211 Approaches to Learning
 PSY 4212 Assessment in Educational Setting
 PSY 4213 Classroom Management
 PSY 4214 Technology and Digital Learning

Clinical Psychology

PSY 4113 Crisis Intervention and Trauma Response: Theory and Practice
 PSY 4111 Addictive Psychology
 PSY 4116 Fundamentals of Psycho-pharmacology
 PSY 4115 Fundamentals of Neuropsychology
 PSY 4114 Family and relationship Counseling
 PSY 4117 Psychology of Aging
 PSY 4112 Clinical Psychology Approaches to Chronic Illnesses
 PSY 4118 Rehabilitation Psychology

FACULTY OF EDUCATION & SOCIAL SCIENCES

University Electives/Interdisciplinary

PSY 3501 Foreign Language
 PSY 1208 Introduction to Economics
 PSY 1209 Fundamentals of Sociology
 PSY 2122 Fundamentals of Development Studies
 PSY 3602 International Law and Human Rights
 PSY 2121 Comparative Religion
 PSY 3115 Introduction to Indus Civilization

PSY 3122 Mass, Media and Society
 PSY 3121 Business Ethics

Internship

The internship is scheduled for summer semester after 3rd year of the program. After completion of the 6-weeks internship, all students are required to submit a comprehensive report giving details of their experience and learning.

MS SS (International Relations)

MSSS (International Relations) is a degree program comprising of 35 credit hours. The students are required to complete 03 core courses (9 credit hours), 06 electives (18 credit hours), 02 mandatory courses of Understanding of Holy Quran for Muslim students (01 credit each) or Ethics and Morality for Non-Muslim students (02 credits), and 02 Independent Research Studies / Thesis (6 credit hours).

There are two streams available: one stream is Course Work based and other one is Research based stream. The time limit to earn an MS degree is from 1.5 to 4 years. The scheme of study for each stream is as follows:

1- MS (Course Based Stream)

- 03 Core Courses (09 Credits)
- 02 Compulsory Courses (02 Credits)
- 08 Electives (24 Credits)
- No Thesis or IRS

2- MS (Research Based Stream)

- 03 Core Courses (09 Credits)
- 02 Compulsory Courses (02 Credits)
- 06 Electives (18 Credits)
- Thesis / IRS (06 Credits)

First Year

Fall Semester	Pre-Req.
SS 5446 Theories of International Relations	
SS 5122 Advanced Research Methods and Techniques-I (Quantitative)	
SS 5xxx Elective – I	
SS 5xxx Elective – II	
SS 5110 Understanding of Holy Quran-I (For Muslim Students only)	

Spring Semester	Pre-Req.
SS 5121 Advanced Research Methods and Techniques-II (Qualitative)	----
SS 5xxx Elective – III	----
SS 5xxx Elective – IV	----
SS 5xxx Elective – V	----
SS 5210 Understanding of Holy Quran-II (For Muslim Students only)	SS 5110
SS 5xxx Ethics and Morality (For Non-Muslim Students only)	

First Year

Fall Semester	Pre-Req.
SS 5446 Theories of International Relations	
SS 5122 Advanced Research Methods and Techniques-I (Quantitative)	
SS 5xxx Elective – I	
SS 5xxx Elective – II	
SS 5110 Understanding of Holy Quran-I (For Muslim Students only)	

Spring Semester	Pre-Req.
SS 5121 Advanced Research Methods and Techniques-II (Qualitative)	----
SS 5xxx Elective – III	----
SS 5xxx Elective – IV	----
SS 5xxx Elective – V	----
SS 5210 Understanding of Holy Quran-II (For Muslim Students only)	SS 5110
SS 5xxx Ethics and Morality (For Non-Muslim Students only)	

Second Year

Fall Semester	Pre-Req.
SS 5xxx Elective – VI	----
SS 5xxx Elective – VII	----
SS 5xxx Elective – VIII	----

Second Year

Fall Semester	Pre-Req.
SS 5xxx Elective – VI	----
SS 5xxx Thesis-I or IRS (I & II)	----
Spring Semester	Pre-Req.
SS 5xxx Thesis-II	----

FACULTY OF EDUCATION & SOCIAL SCIENCES

Elective Courses

SS 5431	Dynamics of Security
SS 5439	Globalization in the 21st Century: Challenges and Opportunities
SS 5436	Role of Great Powers and International Relations
SS 5437	Critical Geo-Politics
SS 5104	Politics of Geo-Economics
SS 5111	Democratization as a Global Process
SS 5212	NGO Management
SS 5306	Sacred and Secular
SS 5311	Environmental Studies
SS 5312	Globalization and Developing Countries
SS 5313	Intellectual Property Rights and Laws
SS 5321	History of Ideas
SS 5206	Political Economy in the Global Perspective
SS 5443	Human Rights in International Perspective

SS 5441	Globalization: Issues and Debates
SS 5434	Political Theory
SS 5442	History of Economic Thought in Contemporary Perspective
SS 5438	Foreign Policy of Pakistan
SS 5445	History of International Relations
SS 5444	International Politics of South Asia

Deficiency Courses

SS 5xxx	Introduction to Political Science
SS 5xxx	International Relations
SS 5xxx	International Law and Human Rights
SS 5xxx	Public Policy

Two interdisciplinary courses can be allowed with approval of the both Program Managers subject to the relevance of courses. Elective courses may vary from time to time.

MS SS (Economics)

MSSS (Economics) is a degree program comprising of 35 credit hours. In order to obtain a degree in MSSS (Economics), students are required to complete 02 core courses (6 credit hours), 07 electives (21 credit hours), 02 mandatory Courses of Understanding of Holy Quran for Muslim students (01 credit each) or Ethics and Morality for Non-Muslim students (02 credits) and 02 Independent Research Studies / Thesis (6 credit hours).

There are two streams available: one stream is Course Work based and other one is Research based stream. The time limit to earn an MS degree is from 1.5 to 4 years. The scheme of study for each stream is as follows:

1- MS (Course Based Stream)

- 02 Core Courses (06 Credits)
- 02 Compulsory Courses (02 Credits)
- 09 Electives (27 Credits)
- No Thesis/IRS

First Year

Fall Semester	Pre-Req.
SS 5122 Advanced Research Methods and Techniques-I (Quantitative)	
SS 5xxx Elective – I	
SS 5xxx Elective – II	
SS 5xxx Elective – III	
SS 5110 Understanding of Holy Quran-I (For Muslim Students only)	
Spring Semester	Pre-Req.
SS 5121 Advanced Research Methods and Techniques-II (Qualitative)	----
SS 5xxx Elective – IV	----
SS 5xxx Elective – V	----
SS 5xxx Elective – VI	----
SS 5210 Understanding of Holy Quran-II (For Muslim Students only)	SS 5110
SS 5xxx Ethics and Morality (For Non-Muslim Students only)	----

2- MS (Research Based Stream)

- 02 Core Courses (06 Credits)
- 02 Compulsory Courses (02 Credits)
- 07 Electives (21 Credits)
- 02 IRS/Thesis (06 Credits)

First Year

Fall Semester	Pre-Req.
SS 5122 Advanced Research Methods and Techniques-I (Quantitative)	
SS 5xxx Elective – I	
SS 5xxx Elective – II	
SS 5xxx Elective – III	
SS 5110 Understanding of Holy Quran-I (For Muslim Students only)	
Spring Semester	Pre-Req.
SS 5121 Advanced Research Methods and Techniques-II (Qualitative)	----
SS 5xxx Elective – IV	----
SS 5xxx Elective – V	----
SS 5xxx Elective – VI	----
SS 5210 Understanding of Holy Quran-II (For Muslim Students only)	SS 5110
SS 5xxx Ethics and Morality (For Non-Muslim Students only)	----

FACULTY OF EDUCATION & SOCIAL SCIENCES

Second Year

Fall Semester	Pre-Req.
SS 5xxx Elective – VII	----
SS 5xxx Elective – VIII	----
SS 5xxx Elective – IX	----

Elective Courses

SS 5234	International Trade
SS 5236	Economic Growth and Development
SS 5238	Monetary Economics
SS 5203	Public Finance
SS 5439	Globalization in the 21st Century: Challenges and Opportunities
SS 5223	Financial Time Series
SS 5305	Political Economy of Pakistan
SS 5214	Public Policy Management
SS 5322	Topics in Political Economy
SS 5327	Development Economics and Sustainability
SS 5312	Globalization and Developing Countries
SS 5321	History of Ideas
SS 5228	Corporate Governance
SS 5231	Advanced Microeconomics
SS 5232	Advanced Macroeconomics
SS 5233	Advanced Econometrics
SS 5442	History of Economic Thought in Contemporary Perspective
SS 5235	Gender Work and Economy
SS 5432	Gender Issues in Rural Development
SS 5237	Advanced Labour Economics

Second Year

Fall Semester	Pre-Req.
SS 5xxx Elective – VII	----
SS 5xxx Thesis-I or IRS (I & II)	----

Spring Semester

SS 5xxx Thesis-II	----
-------------------	------

Deficiency Courses

SS 5xxx	Microeconomics
SS 5xxx	Macroeconomics
SS 5xxx	Statistical Inference
SS 5xxx	Mathematics and Statistics

Two interdisciplinary courses can be allowed with approval of the both Program Managers subject to the relevance of courses. Elective courses may vary from time to time.



MS SS (Sociology)

MSSS (Sociology) is a degree program comprising of 35 credit hours. In order to obtain a degree in MSSS (Sociology), students are required to complete 03 core courses (9 credit hours), 06 electives (18 credit hours), 02 mandatory Courses of Understanding of Holy Quran for Muslim students (01 credit each) or Ethics and Morality for Non-Muslim students (02 credits) and 02 Independent Research Studies / Thesis (6 credit hours).

There are two streams available: one stream is Course Work based and other one is Research based stream. The time limit to earn an MS degree is from 1.5 to 4 years. The scheme of study for each stream is as follows:

1- MS (Course Based Stream)

- 03 Core Courses (09 Credits)
- 02 Compulsory Courses (02 Credits)
- 08 Electives (24 Credits)
- No Thesis/IRS

2- MS (Research Based Stream)

- 03 Core Courses (09 Credits)
- 02 Compulsory Courses (02 Credits)
- 06 Electives (18 Credits)
- 02 IRS/Thesis (06 Credits)

FACULTY OF EDUCATION & SOCIAL SCIENCES

First Year

Fall Semester	Pre-Req.
SS 5122 Advanced Research Methods and Techniques-I (Quantitative)	
SS 5123 Advanced Sociological Theories	
SS 5110 Understanding of Holy Quran-I (For Muslim Students only)	
SS 5xxx Elective – I	
SS 5xxx Elective – II	

First Year

Fall Semester	Pre-Req.
SS 5122 Advanced Research Methods and Techniques-I (Quantitative)	
SS 5123 Advanced Sociological Theories	
SS 5110 Understanding of Holy Quran-I (For Muslim Students only)	
SS 5xxx Elective – I	
SS 5xxx Elective – II	

Spring Semester

SS 5121 Advanced Research Methods and Techniques-II (Qualitative)	----
SS 5210 Understanding of Holy Quran-II (For Muslim Students only)	SS 5110
SS 5xxx Ethics and Morality (For Non-Muslim Students only)	-----
SS 5xxx Elective – III	----
SS 5xxx Elective – IV	
SS 5xxx Elective – V	

Spring Semester

SS 5121 Advanced Research Methods and Techniques-II (Qualitative)	----
SS 5210 Understanding of Holy Quran-II (For Muslim Students only)	SS 5110
SS 5xxx Ethics and Morality (For Non-Muslim Students only)	-----
SS 5xxx Elective – III	----
SS 5xxx Elective – IV	
SS 5xxx Elective – V	

Second Year

Fall Semester	Pre-Req.
SS 5xxx Elective – VI	----
SS 5xxx Elective – VII	----
SS 5xxx Elective – VIII	----

Second Year

Fall Semester	Pre-Req.
SS 5xxx Elective – VI	----
SS 5xxx Thesis-I or IRS (I & II)	----

Spring Semester

SS 5xxx Thesis-II	Thesis-I
-------------------	----------

Elective Courses

SS 5332	Sociology of Development
SS 5345	Population Dynamics
SS 5348	Social Statistics
SS 5217	Cultural Anthropology
SS 5402	Law and Human Rights
SS 5336	Community Development and Social Mobilization
SS 5333	Sociology of Gender Issues
SS 5352	Women Studies
SS 5306	Sacred and Secular
SS 5215	Global Governance
SS 5349	Sociology of Science, Knowledge and Technology
SS 5342	Industrial Sociology
SS 5341	Immigration in Contemporary Perspectives
SS 5334	Social Change and Development
SS 5347	Rethinking Global Development: New Frameworks for Understanding Poverty, Inequality and Growth in 21 Century
SS 5337	Community Organizing and Development

SS 5346	Religion and Development
SS 5344	Population and Development: Current Issues and Future Implications
SS 5338	Contemporary Sociological Thoughts
SS 5343	Leadership in Sociology: Theory and Practice
SS 5353	Foundational Sociological Perspective
SS 5354	Health and Illness: Theory and Practice
SS 5xxx	Development Projects and Management

Deficiency Courses

SS 5xxx	Sociology
SS 5xxx	Social Policy
SS 5xxx	Social Theories-I
SS 5xxx	Social Theories-II
SS 5xxx	Community Services
SS 5xxx	Culture Art and Society

Two interdisciplinary courses can be allowed with approval of the both Program Managers subject to the relevance of courses. Elective courses may vary from time to time.

FACULTY OF EDUCATION & SOCIAL SCIENCES

MS Development Studies

There are two streams for MS (Development Studies). One Stream is Course Work Based Stream and other one is Research based Stream. The student is required to complete 38 credit hours including 4 core courses (03 credits each), 3 specialized courses (03 credits each), 2 compulsory courses of Understanding of Holy Quran for Muslim students (01 credit each) or Ethics and Morality for Non-Muslim students (02 credits), two hands on workshops (6- credits), one supervised internship (3 credits) and a thesis (6 credits). Alternatiely, student may opt for 29 credit hours course work, 6 credits hands on workshops, and 3 credits supersied intership. The time limit to earn an MS degree is from 1.5 to 4 years. The scheme of study for each stream is as follows:

1- MS (Course Based Stream)

- 04 Core Courses (12 Credits)
- 03 Specialized courses (09 Credits)
- 02 Workshop based courses (06 Credits)
- 01 Supervised Internship (03 Credits)
- 02 Compulsory Courses (02 Credits)
- 02 Electives (06 Credits)

First Year

Fall Semester	Pre-Req.
DS 5107 Social Policy for Development	----
DS 5106 Development Project: Planning, Appraisal & Implemenation	----
DS 5111 Tools and Techniques in Development	----
DS 5115 Hands-on-Development Workshop-I	----
DS 5xxx Understanding of Holy Quran-I (Fon Muslim Students only)	----

Spring Semester

DS 5211 Application of GIS & RS in Dev.	----
DS 5215 Hands-on-Development Workshop-II	HDW-I
DS 5xxx Understanding of Holy Quran-II (Fon Muslim Students only)	----
DS 5xxx Ethics and Morality (Fon Non-Muslim Students only)	----
DS 5xxx Specialization Elective-I	----
DS 5xxx Specialization Elective-II	----

Second Year

Fall Semester	
DS 5xxx Specialization Elective-III	----
DS 5301 Supervised Internship	----
DS 5xxx Supporting Elective-I	----
DS 5xxx Supporting Elective-II	----

Specialization Electives

Specialization 1: Climate Change Adaptation and Disaster Management

- DS xxxx Climate Change From Theory to Practice
- DS xxxx Emergency Management and Disaster Risk Management
- DS xxxx Resilience and Vulnerability Assessment

2- MS (Research Based Stream)

- 04 Core Courses (12 Credits)
- 03 Specialized courses (09 Credits)
- 02 Workshop based courses (06 Credits)
- 01 Supervised Internship (03 Credits)
- 02 Compulsory Courses (02 Credits)
- Thesis (06 Credits)

First Year

Fall Semester	Pre-Req.
DS 5107 Social Policy for Development	----
DS 5106 Development Project: Planning, Appraisal & Implemenation	----
DS 5111 Tools and Techniques in Development	----
DS 5115 Hands-on-Development Workshop-I	----
DS 5xxx Understanding of Holy Quran-I (Fon Muslim Students only)	----

Spring Semester

DS 5211 Research Methodologies	----
DS 5215 Hands-on-Development Workshop-II	HDW-I
DS 5xxx Understanding of Holy Quran-II (Fon Muslim Students only)	----
DS 5xxx Ethics and Morality (Fon Non-Muslim Students only)	----
DS 5xxx Specialization Elective-I	----
DS 5xxx Specialization Elective-II	----

Second Year

Fall Semester	
DS xxxx Specialization Elective-III	----
DS 5301 Supervised Internship	HWD-II
DS xxxx Thesis-I	DS 5101

Spring Semester

DS 5xxx Thesis-II	Thesis-I
-------------------	----------

Specialization 2: Livelihood & Sustainable Development

- DS xxxx Participation and Community Mobilization
- DS xxxx Cities and Development
- DS xxxx Rural Development and Agrarian Change

FACULTY OF EDUCATION & SOCIAL SCIENCES

Supporting Elective Courses

DS 5103	The Economics of Developing Countries
DS 5211	Public Policy Management
DS 5312	Globalization & Developing Countries
DS 5313	The Political Economy of Pakistan
DS 5315	Gender and Development
DS 5317	Conflict Management & Negotiation Skills
DS 5412	Green and Inclusive Growth
DS 5415	Population and Development
DS 5413	Migration and Development
DS 5416	Tourism and Development
DS 5414	Natural Resource Management and Social Challenges
DS 5411	Global Development Challenges

Deficiency Courses

The Students, who do not have a relevant degree in Development Studies or its related disciplines, have to register for deficiency courses. The relevancy of the degree and number of deficiency courses to be completed by the student will be determined in case to case basis by the Program Manager.

The list of deficiency courses is as follows:

DS 5104	Theories of Development
DS 5316	Right-Based Approaches to Development
DS 5315	Development Management
DS xxxx	Fundamentals of Development Studies
DS xxxx	Capabilities and Human Development

MS Clinical Psychology

There are two streams for MS Clinical Psychology. One stream is Course Work Based and the other one is Research Based. To obtain a MS degree in Clinical Psychology, the student is required to complete 40 credit hours including 9 Courses (26 credits), 2 compulsory courses of Understanding of Holy Quran for Muslim students (01 credit each) or Ethics and Morality for Non-Muslim students (02 credits), two clinical internships (6 credits) and a Thesis (6 credits). Alternatively, students may opt for 34 credits course work and 6 credits clinical internship. The maximum time limit to earn the degree is 4 years.

The scheme of study for each program is as follows:

1- MS (Course Based Stream)

- 03 Core Courses (9 Credits)
- 07 Electives (21 Credits)
- 01 Professional Ethics (02 Credits)
- 02 Compulsory Courses (02 Credits)
- 02 Clinical Internships (06 Credits)
- No IRS or Thesis

2- MS (Research Based Stream)

- 03 Core Courses (9 Credits)
- 05 Electives (15 Credits)
- 01 Professional Ethics (02 Credits)
- 02 Compulsory Courses (02 Credits)
- 02 Clinical Internships (06 Credits)
- 01 Thesis (06 Credits)

First Year

Fall Semester	Pre-Req.
CLP 5101 Professional Ethics (2,0)	----
CLP 5102 Qualitative Research Methods	----
CLP 5103 Quantitative Research Methods	----
CLP xxxx Elective I	----
CLP xxxx Elective II	----
CLP xxxx Understanding of Holy Quran-I (For Muslim Students only)	----

First Year

Fall Semester	Pre-Req.
CLP 5101 Professional Ethics (2,0)	----
CLP 5102 Qualitative Research Methods	----
CLP 5103 Quantitative Research Methods	----
CLP xxxx Elective I	----
CLP xxxx Elective II	----
CLP xxxx Understanding of Holy Quran-I (For Muslim Students only)	----

FACULTY OF EDUCATION & SOCIAL SCIENCES

Spring Semester

CLP 5201 Use, construction, and Interpretation of tests	----
CLP 5205 Clinical Internship-I	CLP 5101
CLP xxxx Elective III	----
CLP xxxx Elective IV	----
CLP xxxx Elective V	----
CLP xxxx Understanding of Holy Quran-II (For Muslim Students only)	----
CLP xxxx Ethics and Morality (For Non-Muslim Students only)	----

Spring Semester

CLP 5201 Use, construction, and Interpretation of tests	----
CLP 5205 Clinical Internship-I	CLP 5101
CLP xxxx Elective III	----
CLP xxxx Elective IV	----
CLP xxxx Elective V	----
CLP xxxx Understanding of Holy Quran-II (For Muslim Students only)	----
CLP xxxx Ethics and Morality (For Non-Muslim Students only)	----

Second Year

Fall Semester

CLP 5305 Clinical Internship-II	CLP 5205
CLP xxxx Elective-VI	----
CLP xxxx Elective-VII	----

Second Year

Fall Semester

CLP 5305 Clinical Internship-II	CLP 5205
CLP 5209 Thesis I	CLP 5102 , CLP 5103

Spring Semester

CLP 5309 Thesis (Part II)	CLP 5209
---------------------------	----------

Electives

CLP 5151 Assessment and Diagnosis-I
 CLP 5152 Neuropsychology
 CLP 5153 Psychotherapy and Counseling-I
 CLP 5154 Child Psychology
 CLP 5251 Assessment and Diagnosis-II
 CLP 5252 Psychotherapy and Counseling-II
 CLP 5253 Advance Forensic Psychology
 CLP 5254 Psychopharmacology
 CLP xxxx Community Psychology
 CLP xxxx Cross-cultural Psychology
 CLP xxxx Developmental Psychology
 CLP xxxx Environmental Psychology
 CLP xxxx Evidence Based Practice
 CLP xxxx Gender Psychology
 CLP xxxx Physiological Psychology
 CLP xxxx School Psychology

All courses may not be offered in every semester. Elective courses may vary from time to time. Alternative courses may be substituted as and when required.

Thesis Option

Thesis can be taken once all core courses & elective courses are completed. Registration in thesis is allowed in two semesters with 3 credit hours per semester.

All MS Clinical Psychology candidates are required to pass HAT relevant/GAT General with a minimum 50% score or GRE as applicable for the MS program.



FACULTY OF EDUCATION & SOCIAL SCIENCES

MS Sociology

MS Sociology comprises of 32 credit hours. Students are required to complete 8 courses (3 credit hours each), 2 courses of Understanding of Holy Quran for Muslim students (1 credit each) or Ethics and Morality for Non-Muslim students (02 credits), and a thesis (6 credit hour). The maximum time limit to earn an MS degree is 4 years.

The scheme of study is as follows:

- 5 Compulsory Courses (15 credit hours)
- 3 Electives (9 credit hours)
- 2 Mandatory Courses (2 credit hours)
- Thesis (6 Credit Hour)

First Year

Fall Semester	Pre-Req.
SOC 5101 Foundational Sociological Perspectives	----
SOC 5102 Qualitative Research Methodology	----
SOC 5103 Statistics for Social Scientists	----
SOC xxxx Understanding of Holy Quran-I (For Muslim Students only)	----

Spring Semester

SOC 5201 Contemporary Sociological Theories	SOC 5101
SOC 5202 Quantitative Research Methodology	SOC 5102 SOC 5103
SOC 5xxx Sub-discipline (Elective I)	----
SOC 5xxx Sub-discipline (Elective II)	----
SOC xxxx Understanding of Holy Quran-II (For Muslim Students only)	----
SOC xxxx Ethics and Morality (For Non-Muslim Students only)	----

Second Year

Fall Semester

SOC 5xxx Sub-discipline (Elective III)	----
SOC 5309 Thesis-I (3 credits)*	

Spring Semester

SOC 5309 Thesis-II (3 credits)*	----
---------------------------------	------

* Pre-req includes Qualitative and Quantitative Research Methodology and Elective I&II



Electives

Sociology of Gender Stream

SOC 5424 Sociology of Gender Issues
 SOC 5423 Gender, Work, and the Economy
 SOC 5426 Women Studies
 SOC 5422 Gender Issues in Rural Development
 SOC 5425 Sociology of Sexuality
 SOC 5xxx Gender Issues in Global Scenario

Sociology of Globalization Stream

SOC 5321 Globalization: Issues and Debates
 SOC 5222 Global Governance
 SOC 5226 Sociology Of Science, Knowledge, and Technology
 SOC 5224 Industrial Sociology
 SOC 5223 Immigration in Comparative Perspective
 SOC 5225 Sociology of Migration and Urbanization

Sociology of Development Stream

SOC 5326 Sustainable Development
 SOC 5325 Social Change and Development
 SOC 5324 Rethinking Global Development:
 New Frameworks for Understanding
 Poverty, Inequality and Growth in 21st
 Century
 SOC 5322 Community Organization and
 Development
 SOC 5221 Religion and Development
 SOC 5323 Population and Development:
 Current Issues and Future Implications

All MS Sociology candidates are required to pass HAT relevant /GAT General with a minimum 50% score or GRE as applicable for the MS program.

FACULTY OF EDUCATION & SOCIAL SCIENCES

PhD Psychology

To obtain a PhD Psychology degree, the student is required to complete 50 credit hours including 5 Courses (15 Credit Hours), 2 courses of Understanding of Holy Quran for Muslim students (1 credit each) or Ethics and Morality for Non-Muslim students (02 credits), one independent research study (3 Credit Hours), and a Dissertation (30 Credit Hours). The time limit to earn PhD Psychology degree is 3 to 8 years.

First Year

Fall Semester

PSY 8101	Advanced Qualitative Research Methods
PSY 8102	Advanced Quantitative Research Methods
PSY 8xxx	Elective-I
PSY 8xxx	Understanding of Holy Quran-I (For Muslim Students)

Spring Semester

PSY 8xxx	Independent Research Study (IRS)
PSY 8xxx	Elective-II
PSY 8xxx	Elective-III
PSY 8xxx	Understanding of Holy Quran-II (For Muslim Students only)
PSY 8xxx	Ethics and Morality (For Non-Muslim Students only)

Second Year

Fall Semester

PSY 8xxx	Dissertation (Proposal Writing)
----------	---------------------------------

Spring Semester

PSY 8xxx	Dissertation
----------	--------------

Third Year

Fall Semester

PSY 8xxx	Dissertation
----------	--------------

Spring Semester

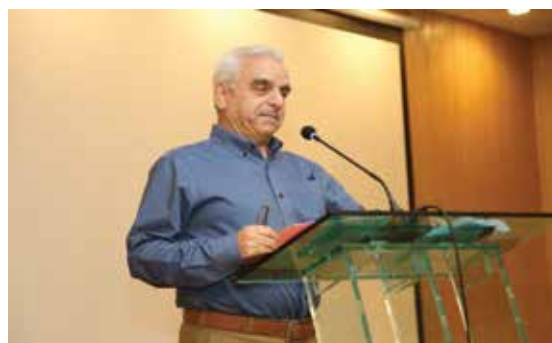
PSY 8xxx	Dissertation
----------	--------------

PhD Degree Milestones

- Clearing admission requirements of HEC and SZABIST
- Completing course work with required CGPA
- Passing Comprehensive Examination
- Passing proposal defense
- Completing dissertation
- Completing publication requirements
- Passing Pre-Defense Seminar
- Receiving Satisfactory reports from foreign evaluators
- Clearing Open Defense

LIST OF ELECTIVES

- PSY 8237 Perspective in Organizational Psychology
- PSY 8137 Psychological Assessment in Organizational Psychology
- PSY 8138 Psychology of Leadership
- PSY 8236 Organizational Conflict and Management
- PSY 8136 Organizational Culture and Development
- PSY 8139 Psychotherapy and Counseling-I
- PSY 8239 Psychotherapy and Counseling-II
- PSY 8140 Use, Construction and Interpretation of Tests
- PSY 8132 Assessment and Diagnosis-I
- PSY 8232 Assessment and Diagnosis-II
- PSY 8238 Psychophysiology and Psychopharmacology
- PSY 8235 Marketing and Consumer Psychology
- PSY 8134 Cross-Cultural Psychology
- PSY 8240 School Psychology
- PSY 8131 Applications of Contemporary Data Analysis Tools
- PSY 8133 Community Psychology
- PSY 8233 Consumer Behavior
- PSY 8234 Environmental Psychology
- PSY 8135 Gender Psychology
- PSY 8231 Clinical Internship



FACULTY OF MEDIA SCIENCES



In the 21st century, media in all its forms, print, TV, radio, film, video, digital, virtual, and mobile has increasingly saturated all aspects of contemporary life. This proliferation of media presents vast opportunities and poses immense challenges. Our degree programs in Media Sciences are designed to help undergraduate and graduate students participate productively both as practitioners and scholars in this exciting and challenging environment.

Broadly defined, the Media Sciences constitute a field of study that encompasses the history, theory, production, content, and public effects of a variety of media including but not limited to journalism, advertising, photography, radio, film, video, television, design, the internet, digital technologies, and the performing arts. We recognize that studying media requires interdisciplinary thinking. Therefore, by bridging theory and practice and using an interdisciplinary approach, we give our students the skills, knowledge, and flexibility that the increasingly competitive international and national market demands.

The Faculty of Media Sciences at SZABIST offers the following undergraduate and graduate degree programs:

Bachelor of Media Sciences

(Film & TV Production, Advertising Strategy & Design, Journalism and Game Design)

MS Media Sciences

(Media Production and Design, Digital Journalism and Global Communication, Fashion Media and Digital Communication, Advertising Strategy & Design).

FACULTY OF MEDIA SCIENCES

Bachelor of Media Sciences

The Faculty of Media Sciences at SZABIST offers a comprehensive 4-year Bachelor of Media Science degree with majors in Film and Television Production, Advertising Strategy & Design, Game Design and Journalism.

To earn an undergraduate degree, students must enroll in and successfully complete a total of 143 credit hours which include 47 courses, a 6-credit Final Year Project, and a 3-credit internship. Forty-seven courses include: 35 core courses, 7 from the stream of specialization requirements, i.e. Film and Television Production, or Advertising Strategy & Design, Journalism or Game Design and 3 Cross Specialization stream Electives and 2 compulsory courses of Understanding of Holy Quran for Muslim students (01 credit each) or Ethics and Morality for Non-Muslim students (02 credits). All students must complete their degree within 6 years.

First Year

Fall Semester	Pre Req.
MD 1122 English for General Purposes	----
MD 1107 Drawing and Perspective	----
MD 1115 Introduction to Media Industries	----
MD 1124 Civilization Studies	----
MD 1127 Ideology and Constitution of Pakistan (2,0)	----
MD 1106 Photography	----
MD 1120 Understanding of Holy Quran-I (For Muslim Students only)	----

Spring Semester

MD 1222 English for Academic Purposes	MD 1122
MD 1104 Culture, Media and Society	MD 1115, MD 1122
MD 3601 Art of Music	----
MD 1211 Basic Design	MD 1107
MD 2321 History and Aesthetics of Film	
MD 1223 Islamic Studies (2,0) OR	----
MD 1224 Humanities (For non-Muslim students)*	----
MD 1220 Understanding of Holy Quran-II (For Muslim Students only)	MD 1120
MD xxxx Morality of Ethics (For Non-Muslim Students only)	----

Second Year

Fall Semester

MD 2427 Design Practices I	MD 1211
MD xxxx Environmental Journalism	----
MD 2428 Introduction to Advertising Strategy	----
MD 2323 Production Practices I	MD 1107
MD 1217 Introduction to Sound	MD 3601
MD 3505 Principles of Journalism	MD 1122

Spring Semester

MD 1119 Play Analysis	MD 1122
MD 1123 Pakistan Studies (2,0)	MD 1107, MD 1211
MD 2425 Audiovisual Editing	MD 2323, MD 1217
MD 2408 Entrepreneurship and Small Business Management	----
MD 3527 Design Practices II	MD 2427
MD 2325 Media Research	MD 1104, MD 1222

Third Year

Fall Semester	Pre Req.
MD 2423 Theatre Project	MD 1122
MD 2424 Media Psychology	MD 1104, MD 1222
MD 3523 Production Practices II	MD 2323, MD 2313, MD 1217
MD 2405 Media Laws and Ethics	MD 1115, MD 1222
MD 2318 History of Commercial Art	--
MD 1118 Topics in Asian Literature	--

Spring Semester

MD 3518 Animation and Motion Graphics	MD 2425, MD 2427
MD 4701 State and Nation Building in Pakistan	MD 1216, MD 1222
MD 3506 Theories of Visual Culture	MD 1104, MD 1222
MD 3525 Radio Programming and Productions	--
MD 4xxx Stream Elective I	--
MD 4xxx Stream Elective II	--

Summer Semester

MD 3619 Internship

Fourth Year

Fall Semester

MD 4716 Final Year Project-I	MD 2325
MD 4714 Producing Short Narratives	MD 3523
MD 4xxx Stream Elective III	--
MD 4xxx Stream Elective IV	--
MD 4xxx Stream Elective V	--
MD 4xxx Stream Elective VI	--

Spring Semester

MD 4816 Final Year Project-II	MD 4807
MD 4xxx Stream Elective VII	--
MD 4xxx Cross Specialization Stream Elective I	--
MD 4xxx Cross Specialization Stream Elective II	--
MD 4xxx Cross Specialization Stream Elective III	--

(*Humanities will be offered to the non-Muslim students instead of Islamic Studies)

FACULTY OF MEDIA SCIENCES

SPECIALIZATION STREAMS

Game Design

- MD 4911 Principles of game design
- MD 4903 Game design theory - Ludology
- MD 4913 Gamification in the real world
- MD 4905 Narratology I
- MD 4915 Narratology II
- MD 4902 Concept art for Character Design I
- MD 4912 Concept art for Character Design II
- MD 4904 Concept art for Game Environment Design I
- MD 4901 Advanced Animation for 2D games
- MD 4914 Introduction to Unreal Engine

Film & Television Production Stream

- MD 4726 Directing I
- MD 4728 Directing II
- MD 4781 Sound Design
- MD 4821 Cinematography
- MD 4825 Screenwriting
- MD 4872 Visual Storytelling
- MD 4868 Production Practices III
- MD 4724 Documentary Vision
- MD 4764 Production Design
- MD 4765 Basic Lighting
- MD 4829 Screenwriting II
- MD 4789 Green Screen Keying and Composition for Production VFX
- MD 4889 Narrative and Social Change
- MD 4898 Music Score for Film and Television
- MD 4867 Topics in Film and Television
- MD 4883 Urdu Literature in South Asian Cinema
- MD 4873 Modernity in Cinema in Bengal
- MD 4792 Music Production and Design
- MD 4892 Music Theory and Performance
- MD 4906 Advanced Video Editing and Motion Graphics

Advertising Strategy & Design Stream

- MD 4723 Advance Animation
- MD 4731 Advertising Research
- MD 4739 Advertising Design and Concept
- MD 4754 Creative Aspect in Advertising
- MD 4779 Digital Brand Communication
- MD 4835 Consumer Behavior
- MD 4843 Campaign Strategy
- MD 4846 New Media Advertising
- MD 4847 Copywriting
- MD 4736 Integrated Marketing Communications
- MD 4837 Media Planning
- MD 4782 Interaction Design
- MD 4787 Digital Design and Publishing

- MD 4834 Advertising in Pakistan
- MD 4833 Brand Management
- MD 4897 Digital Media Planning
- MD 4798 Fundamentals of Digital Advertising
- MD 4854 Illustration
- MD 4732 Typography
- MD 4878 Design for Social Change
- MD 4907 AI and Creative Ownership

Journalism Stream

- MD 4757 Feature Writing I
- MD 4879 Multimedia Journalism
- MD 4864 Investigative Journalism and Crisis Reporting
- MD 4877 The International Newsroom
- MD 4783 TV Journalism
- MD 4859 Introduction to Photojournalism
- MD 4839 Reporting the News
- MD 4793 Citizen Journalism
- MD 4893 Environmental Journalism
- MD 4794 Fashion Journalism
- MD 4895 Peace Journalism
- MD 4795 Reporting of Politics and Governance
- MD 4894 Foreign Correspondence
- MD 4896 Sports Reporting
- MD 4796 Digital Public Relations and Blogging
- MD 4797 Introduction to Digital News Reporting
- MD 4774 Media Anthropology
- MD 4776 Media Convergence and Innovation
- MD 4916 Science Communication and Journalism

Cross Specialization Stream Electives

Students have to do three cross specialization-stream electives. The student may take 3 courses from any other specialization stream apart from the one that they are majoring in.

Stream specialization and cross stream specialization will be offered depending on the availability of resources.

Certain film and video production courses may require additional fees for equipment rental, film purchases, and travel. The Faculty of Media Sciences makes every effort to subsidize these costs in order to minimize financial impact on students.

Students enrolled full time are required to take at least 5 courses in each semester. Students unable to enroll full time should consult the Program Manager to discuss any accommodation they might need.

All first semester students are required to enroll in 6 courses. In order to register for thesis credits in the

FACULTY OF MEDIA SCIENCES

7th and 8th semester for Thesis I and II respectively, students must complete all pre-requisites. Students on academic probation will not be allowed to register for thesis credits.

Internship

The Faculty of Media Sciences requires all students to complete a 6-week internship at an organization of

their choice by the end of their third year. Upon completion of the internship, students must submit a comprehensive summary of what they have learned in their internship.

All students are also required to work with the faculty to organize faculty's annual media festival in the third year of their degree.

MS Media Sciences

Faculty of Media Sciences offers MS degree in Media Sciences. The students enrolling in this program can select any one of the following 4 streams of specialization: Media Production and Design, Fashion Media and Digital Communication, Digital Journalism and Global Communication and Advertising Strategy & Design. The students decide on their respective stream in the 2nd semester and the choice of electives varies according to the four available specializations offered to students.

Media Production and Design Stream	Fashion Media and Digital Communication Stream	Digital Journalism and Global Communication Stream	Advertising Strategy & Design Stream
This stream is primarily for media professionals and middle management of production houses and teams engaged in media houses, and are hampered in their careers because of lack of knowledge and understanding of production technique skills.	This stream is for professionals who want to join the growing Fashion media and merchandising industry in Pakistan, in addition to courses that help in managing public relations and communication strategy of companies and nonprofits.	Journalism Stream is offered for all who want to develop an in-depth understanding of journalistic practices and are interested in specializing in analytical skills related to both print and electronic media.	This stream will provide students with a comprehensive training through courses that prepare them to engage in various career options in the advertising industry.

In addition to the four specializations offered, students are at liberty in choosing their path of academic research related to praxis; through course work, or Thesis (For those students who are interested in following an academic career leading to a doctorate).

To be awarded a degree in MS Media Sciences, the students need to complete a total of 32 credit hours including 4 core courses (3 credits each), 4 elective course (3 credits each), 2 compulsory courses of Understanding of Holy Quran for Muslim students (1 credit each) or Ethics and Morality for Non-Muslim students (2 credits) and Thesis (6 credits). In lieu of Thesis, the student can complete two elective courses (06 credits) in order to qualify for degree through the course work. All students must complete their degree within four years.

The scheme of study for each stream is as follows:

MS by Course Work

- 4 core courses (12 credits),
- 2 compulsory courses (2 credits),
- 6 electives (18 credits),
- No Thesis or Research Work

MS by Thesis

- 4 core courses (12 credits),
- 2 compulsory courses (2 credits),
- 4 electives (12 credits),
- Thesis I & II (6 credits).

FACULTY OF MEDIA SCIENCES

First Year

First Semester

MMS 5101	Applied Media Research
MMS 5102	Digital Culture and Society
MMS 5103	Media Evolution and Innovation
MMS 5104	Media Theories and Application
MMS 5105	Understanding of Holy Quran-I (For Muslim Students only)

Second Semester

MMS 5xxx	Elective I
MMS 5xxx	Elective II
MMS 5xxx	Elective III
MMS 5xxx	Elective IV
MMS 5205	Understanding of Holy Quran-II (For Muslim Students only)
MMS xxxx	Ethics and Morality (For Muslim Students only)

Second Year

Third Semester

MMS 5xxx	Elective V
MMS 5xxx	Elective VI

ELECTIVES

Media Production and Design Stream:

MMS 5431	Urban Geographies and Visual Cultures
MMS 5433	Camera and Lights
MMS 5436	Film Analysis
MMS 5439	Story Telling and Screenplay Writing
MMS 5435	Documentary Making
MMS 5434	Directing
MMS 5441	Theories of Film and Television
MMS 5432	Aesthetics of Films
MMS 5438	Production Management
MMS 5442	Theories of Visual Culture and Film
MMS 5437	New Media Production

Fashion Media and Digital Communication Stream:

MMS 5339	Interaction Design for Fashion Industry
MMS 5336	Fashion Design Trends
MMS 5334	E-commerce for Fashion
MMS 5332	Digital Media and Fashion Industry
MMS 5341	Social Media and Online Communication
MMS 5331	Digital Fashion Illustration
MMS 5337	Fashion Photography
MMS 5335	Fashion Advertising
MMS 5338	Fashion Public Relations
MMS 5333	Digital Visual Communication

First Year

First Semester

MMS 5101	Applied Media Research
MMS 5102	Digital Culture and Society
MMS 5103	Media Evolution and Innovation
MMS 5104	Media Theories and Application
MMS 5105	Understanding of Holy Quran-I (For Muslim Students only)

Second Semester

MMS 5xxx	Elective I
MMS 5xxx	Elective II
MMS 5xxx	Elective III
MMS 5209	Thesis I
MMS 5205	Understanding of Holy Quran-II (For Muslim Students only)
MMS xxxx	Ethics and Morality (For Muslim Students only)

Second Year

Third Semester

MMS 5xxx	Elective IV
MMS 5309	Thesis II

Digital Journalism and Global Communication Stream:

MMS 5237	Global Journalism
MMS 5231	Beat Reporting
MMS 5238	Investigative Journalism
MMS 5243	Multi-Format News Reporting
MMS 5232	Data Journalism
MMS 5235	Fashion and Entertainment Journalism
MMS 5241	Media and Post-Colonialism
MMS 5242	Media, Politics and Governance
MMS 5239	Issues in International Media
MMS 5234	Digital Journalism
MMS 5236	Global Communication
MMS 5233	Development Communication

Advertising Strategy & Design Stream:

MMS xxxx	Copywriting and Advertising Conceptualization
MMS xxxx	Digital Advertising
MMS xxxx	Creative Advertising Campaigns
MMS xxxx	Strategic Creative Development
MMS xxxx	Advertising Account Management
MMS xxxx	Advanced Integrated Marketing Communication
MMS xxxx	Strategic Brand Management
MMS xxxx	Consumer Engagement
MMS xxxx	Campaign Strategy
MMS xxxx	New Media Advertising
MMS xxxx	Media Planning & Strategy

Electives will be offered depending on the availability of resources.

ACADEMIC CALENDAR 2025-26 (Islamabad Campus)

ACADEMIC CALENDAR 2025-26 (Islamabad Campus)

FALL 2025

WEEK	COMMENTS
1	Course Registration
2	IRS Thesis Advisors Meeting
3	
4	
5	Teaching Evaluation
6	Teaching Evaluation
7	Mid-Term Exam for Undergraduate Students
8	Mid-Term Exams for Graduate Students
9	
10	
11	Last Week to Withdraw Courses
12	
13	
14	
15	
16	Final Exam Week
17	Final Exam Week
18	
	Faculty Meeting/Orientation
	Comprehensive Exam
	Independent Research Study Presentations of MS/PhD students

Classes Commencement Date

Islamabad Campus:

15 September, 2025

ACADEMIC CALENDAR 2025-26 (Islamabad Campus)

ACADEMIC CALENDAR 2025-26 (Islamabad Campus)

SPRING 2026

WEEK	COMMENTS
1	Course Registration
2	
3	
4	
5	Teaching Evaluation
6	Teaching Evaluation
7	Mid-Term Exam for Undergraduate Students
8	Mid-Term Exams for Graduate Students
9	
10	
11	Last Week to Withdraw Courses
12	
13	
14	
15	
16	Final Exam Week
17	Final Exam Week
18	
	Faculty Meeting / Orientation
	Independent Research Study Presentations of MS/PhD students
	Comprehensive Exam

Classes Commencement Date

Islamabad Campus:

16 February, 2026

CAMPUS WISE PROGRAMS OFFERING (FALL 2025)

PROGRAMS	CAMPUSES					
	Islamabad	Karachi	Larkana	Hyderabad	Dubai	Gharo
Bachelor of Business Administration (BBA)	✓	✓	✓	✓	✓	✓
BA (Hons.) in Business Studies (BABS)		✓				
BS Accounting & Finance	✓	✓	✓	✓		
BS (Accounting & Finance) 2.5 Years (ICAP/CAF Qualified only)	✓	✓				
BS Business Analytics	✓	✓				
BS Entrepreneurship		✓				
BS Computer Science	✓	✓	✓	✓	✓	✓
BS Artificial Intelligence	✓	✓				
BS Software Engineering	✓	✓		✓		
Bachelor of Media Science	✓	✓				
BS Social Sciences	✓	✓	✓	✓		
BS Psychology	✓	✓				
BS English		✓				
BE Mechatronic Engineering		✓				
BS Biosciences		✓				
BS Biotechnology		✓				
BS Educational Psychology		✓				
BS Public Health		✓	✓			
Bachelor of Law (LLB)		✓				
Certificate of Higher Education in Common Law (CertHE)		✓				
CILT (UK) Level 5 Professional Diploma in Logistics & Transport	✓	✓				
Master in Business Administration (MBA)	✓	✓	✓	✓	✓	
Executive MBA	✓				✓	
Professional MBA	✓					
Masters in Project Management	✓	✓	✓		✓	✓
Masters in Human Resource Management	✓					
Master of Advertising		✓				
MS Public Health (MSPH)		✓	✓			
MS Biosciences		✓				
MS Biotechnology		✓				
MS Computer Science	✓	✓		✓	✓	
MS (CS) with specialization in Core Computing	✓	✓				
MS (CS) with specialization in Software Engineering	✓	✓			✓	
MS (CS) with specialization in Networks & Security	✓	✓			✓	
MS Cyber Security	✓	✓				
MS Media Sciences	✓	✓				
MS Management Sciences	✓	✓	✓	✓		
MS (Business Analytics)	✓					
MS Development Studies	✓					
MS Mechatronic Engineering		✓				
MS Data Sciences	✓	✓				
MS Educational Leadership and Management		✓	✓			
MS Project Management	✓	✓				
MS Social Sciences	✓	✓				
MS (SS) with specialization in Economics	✓	✓				
MS (SS) with specialization in Psychology		✓				
MS (SS) with specialization in Sociology	✓	✓				
MS (SS) with specialization in International Relations	✓	✓				
MS Clinical Psychology	✓					
MS Sociology	✓					
PhD Social Sciences		✓				
PhD (SS) with specialization in Economics		✓				
PhD (SS) with specialization in Psychology		✓				
PhD (SS) with specialization in Sociology		✓				
PhD (SS) with specialization in International Relations		✓				
PhD Computing	✓	✓				
PhD Management Sciences	✓	✓				
PhD Psychology	✓					
PhD Biosciences		✓				
PhD Educational Leadership and Management		✓				

**We just Don't Work Hard
We Work Smart**

Disclaimer

This prospectus is only informational and should not be taken as binding on the University. The University, therefore, reserves the right to change any rule, regulation and guideline applicable to the program and the student whenever it is deemed appropriate or necessary, and it will be binding on all continuing and new students for all programs at all campuses.

WE CELEBRATE DIVERSITY!



SZABIST ISLAMABAD CAMPUS
STREET # 09, PLOT # 67 SECTOR H-8/4,
ISLAMABAD, PAKISTAN
PHONE: 92-051-4863363-5
WWW.SZABIST-ISB.EDU.PK
EMAIL: INFO@SZABIST-ISB.EDU.PK

SZABIST KARACHI CAMPUS
99 and 100 Clifton, Karachi 75600
Phone: 92-21-111-922-478.
Email: info@szabist.edu.pk.
www.szabist.edu.pk.
www.facebook.com/szabistofficial



SZABIST HYDERABAD CAMPUS
Ground, 3rd & 4th floor,
State Life Building,
Thandi Sarak, Hyderabad
Phone # 92-22-2782442-43,
Fax # 92-22-2782444
www.hyd.szabist.edu.pk
Email: info@hyd.szabist.edu.pk



SZABIST LARKANA CAMPUS
Sachal Colony, Larkana, Sindh,
Pakistan
Phone : 92-74-4752890-3
www.lrk.szabist.edu.pk
Email: info@lrk.szabist.edu.pk



SZABIST DUBAI CAMPUS
6th Floor, Block-10, Dubai International
Academic City, Dubai, U.A.E
P.O Box No: 345004,
Phone: +97143664601,
Fax: +971 4 3664607
Email: info@szabist.ac.ae,
www.szabist.ac.ae



SZABIST GHARO CAMPUS
Main National Highway, Filter Plant,
Gharo, Thatta
Phone : 0331-9224771-72-79
www.ghr.szabist.edu.pk/
Email: info@ghr.szabist.edu.pk



@SZABIST.Islamabad.Official



@szabist.islamabad.official



@szabist-islamabad



@szabistofficial



szabist-isb.edu.pk

Shaheed Zulfikar Ali Bhutto Institute of Science & Technology University