



SZABIST
UNIVERSITY
Hyderabad Campus

Discover Yourself



PROSPECTUS 2024-25

Karachi - Islamabad - Larkana - Hyderabad - Ghara - Dubai

**We just Don't Work Hard
We Work Smart**

SHAHEED ZULFIKAR ALI BHUTTO INSTITUTE OF SCIENCE & TECHNOLOGY

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.

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Fall 2024
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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

"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 the Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST), one of the most prestigious higher education institutions of Pakistan.

At SZABIST, 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, therefore, we offer 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 has a presence in Karachi, Islamabad, Larkana, Hyderabad, and an overseas campus in Dubai, UAE. **We have also established our campus at Gharo , which opened in Fall 2022.**

At SZABIST, 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 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 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 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.

Dr. Azra Fazal Pechuho
Chancellor
SZABIST

PRESIDENT'S MESSAGE



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

Over the past 25 years, SZABIST's national and international market reputation has been significantly enhanced. This is evident from the increased enrollment of about 11,000 students in its five Campuses-Karachi, Larkana, Hyderabad, Islamabad and Dubai (UAE).

SZABIST, 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 Institute, 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 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 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

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. Karachi campus is the mother campus having more than 8000 students enrolled in its 40-plus academic programs in Management Sciences, Computer Science, Social Sciences, Media Science, Life Sciences, Education, Mechatronic Engineering, and Law. Our three-year LLB program is offered in collaboration with the 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

VICE PRESIDENT DEVELOPMENT AND FINANCE MESSAGE



Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology initiated by Shaheed Mohtarma Benazir Bhutto and currently functioning under the able leadership of its Chancellor Dr. Azra Fazal Pechuho has emerged as a leading higher education institute that plays a vital role in producing highly qualified graduates.

Here we provide the environment, facilities, academic and professional experiences, and opportunities for research that aim at a creative, ethical, smart and holistic personality. With the commencement of the new academic year, students are encouraged to utilize the wide range of services and facilities, the events, programs, seminars, and festivals that will make their life at SZABIST interesting.

Get involved, make the most of your time and gain the experience that will make you the smart individual in demand at national and multinational firms within the country and abroad.

We are here to support you and welcome you to a fulfilling and interesting period at SZABIST.

Nasreen Haque

Vice President (Development and Finance)
SZABIST

VICE PRESIDENT'S (ADMINISTRATION) MESSAGE



I am delighted to welcome you to Shaheed Zulfikar Ali Bhutto Institute of Science and Technology. 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 University has developed into a strong multidisciplinary institution with campuses in Karachi, Hyderabad, Larkana, Islamabad, Ghara 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 2024 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

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 current student population of approximately 19,000. Collectively, over 31,000 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.

SZABIST University is a registered member of the following international and national associations: International Association of Universities (IAU), Paris. The Association to Advance Collegiate School of Business (AACSB), Singapore. Asia-Pacific Quality Network (APQN), People's Republic of China. The Talloires Network, USA. The Chartered Institute of Logistics and Transport (CILT), UK. Management Association of Pakistan (MAP), Karachi. Marketing Association of Pakistan (MAP), Karachi.

Moreover, SZABIST University has signed MoUs with various reputable and distinguished organizations and institutions such as Istanbul Medipol University, Turkey; University of London, UK; John Hopkins University (Gates Institute), TCF, ICRC, Aman Foundation and JS Bank. SZABIST University Hyderabad Campus is situated in the prime location of Thandi Sarak, State Life Building, Ground, 2nd, 3rd, 4th & 8th floor.

INTRODUCTION



PROGRAMS & CURRICULA

DEGREES OFFERED

All five campuses of SZABIST offer various degree programs in different disciplines so please refer to page 47 for details.

Bachelor of Business Administration (BBA)

SZABIST offers a four-year (eight semesters) BBA degree program of 144 credit hours. This is SZABIST's flagship program. For the BBA program, students are required to complete 46 courses and 03 credit hours Business Project, a 03 credit hours Community Service Project and 03 credit hours Graded Internship. The students will take 4 Program Electives courses from Management, Marketing, Finance, or Supply Chain Management. To obtain the BBA degree, students have to complete 144 credit hours including a six week graded internship. Maximum time limit to complete the BBA degree is six years. BBA program is an ACCA accredited program; those who complete BBA from SZABIST, Hyderabad, will get an exemption in 06 out of 09 ACCA Foundation papers (F1, F2, F3, F5, F7 and F9). BBA 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. BBA Program has been accredited by National Business Education Accreditation Council (NBEAC) and is also affiliated with Chartered Financial Analyst (CFA) Institute.

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) program, consisting of 47 Courses, a 3 credit hours Capstone Project, and 3 credit hours graded internship. Students have to complete 144 credit hours to obtain the BS A&F degree. The maximum time limit to complete the degree program is six years. 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. BS A&F students are exempted from all 13 courses of Chartered Institute of Management Accountants (CIMA) qualification, and are only required to pass 3 case studies. Whereas, BS A&F alumni will be exempted from all 13 courses and operational level case studies and will only attempt 2 case studies. The BS A&F program is affiliated with the Chartered Financial Analyst (CFA) Institute.

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 78 credit hours (27 courses) of course work, a 3 credit hours Capstone Project, and 3 credit hours graded internship. Students of BS A&F-2.5 year can also select Finance as Major and Accounting as Minor /Accounting as Major and Finance as Minor.

Bachelor of Science in Computer Science (BS CS)

SZABIST 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 44 courses (five courses per semester) with a total of 130 credit hours. The complete course plan includes 7 technical electives. These 7 technical electives provide intensive learning in the diversified areas of Computer Science and allied disciplines. Internship opportunities are provided to complete degree requirement. The maximum time limit to complete the degree program is six years.

Bachelor of Science in Software Engineering (BS SE)

The BS Software Engineering program is offered through a trained foreign qualified faculty. It consists of 44 courses with a total of 130 credits hours. The maximum duration to complete the degree is six years. The core courses focus on the fundamentals of software engineering followed by a broader range of courses through which students can choose to specialize their learning. The BS Software Engineering curriculum covers all important facets of the discipline of software engineering including project management, requirements analysis, software architecture, software development, and quality assurance. Throughout the degree program, students are exposed to the theory, techniques, tools, and practicalities of software engineering.

Bachelor of Science in Artificial Intelligence (BS AI)

The Bachelor of Science in Artificial Intelligence BS(AI) program is offered by the Department of

PROGRAMS & CURRICULA

Computer Science. This comprehensive four-year program encompasses a total of 44 courses, amounting to 130 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, Evolutionary Computing, Computer Vision, Software Engineering, and Natural Language Processing. The program comprises of 49 credit hours of Computing Core courses, 15 credit hours of Domain Core courses, 21 credit hours of Domain Electives, 9 credit hours of Mathematics and Supporting courses, 3 credit hours of Elective Supporting courses, and 33 credit hours of General Education Requirement courses. The maximum duration of the program is six years.

Bachelor of Science in Social Sciences (BS SS)

SZABIST offers a four-year (eight semesters) BSSS degree in Economics Sociology, Economics, International Relations and Sindh Studies. BS Program is essentially day program and consists of 46 courses (six courses per semester) including research project (I&II) with a total of 142 credit hours. The maximum time limit to complete the BS degree is 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 programs with specialization in Marketing, Finance, Management, Human Resource Management, Supply Chain Management, Banking and Business Analytics. The maximum duration to complete MBA degree program is four years.

MBA program is intended for students having a four-year bachelor degree (e.g. BS-CS, BE, BBA etc.) or 16 years of education in different disciplines. The duration to complete this program is two years with 72 credit hours. Twenty- two courses (66 credit hours) and 6 credit hours of Research Project OR Thesis spread over two semesters

(03+03) are required to complete the program. Students with undergraduate degrees in Management Sciences, Business Administration, Commerce or equivalent qualification are exempted 36 credit hours of course work and they are required to complete remaining 36 credit hours in 1.5 years. Students are also required to undertake a six week duration of internship during summer.

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.

Master of Science in Management Sciences (MS MS)

SZABIST offers MS degree with concentration in the specialized areas of Human Resource Management, Marketing, Finance and Business Analytics. The MS program is an evening program and all classes are held during week days. 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. In Research Work Stream, the student is required to complete 8 Courses and Two IRS OR one Thesis. In both the streams, 30 credit hours are to be completed. The time limit to earn an MS degree is from 1.5 to 4 years. As per HEC guidelines, all MS students are required to clear GAT General test or HAT relevant with minimum 50% score.

Master of Science in Computer Science (MS CS)

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 33 credit hours to complete. Student has the option to complete MS through course work only or with research. If student opts for course work only, he/she is required to complete 11 courses of 3 credit hours each. Else, the student is required to complete 9 Courses (27 credit hours) and Two Independent Research Study (6 credit hours) OR One Thesis (6 credit hours).

PROGRAMS & CURRICULA

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 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. As per HEC guidelines, all MS students are required to clear GRE or GAT General test or HAT relevant with minimum 50% score. The maximum time limit to complete the MS degree is four 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	
B-	66 – 69	2.75	MS Degree Requirement
C+	63 – 65	2.50	Master's Degree Requirement
C	60 – 62	2.00	Undergraduate Degree Requirement
C-	55 – 59	1.50	
F	< 55		



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.
- Intermediate students are required to get their SSC and HSSC certificates 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 of Pakistan (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 BS Computer Science, Software Engineering and Artificial Intelligence programs, candidates who have not studied Mathematics at Intermediate/A-Levels have to pass deficiency courses of Mathematics (06 credits) in first two semesters.

MASTER 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.

Master of Science in Management Sciences (MSMS)

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

Master of Science in Computer Science (MSCS)

For admission to MSCS program, candidates must possess 16 years of relevant education with minimum 50% marks/2.0 CGPA from a university recognized by HEC. GAT (General) or HAT relevant is mandatory for MS students with minimum 50% score.

Admission Test Alternates

For Bachelors Programs

Applicants may submit a minimum 1100/1600* score of SAT 1.

The scoring of SAT 1 will be considered 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. GRE (General) with a minimum cumulative score of 300.

Transfer Policies

Transfer into SZABIST 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 SZABIST admission requirements.

Bachelor Course Transfer

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

ADMISSION REQUIREMENTS

MBA Course Transfer

- A maximum of up to 6 credits may be considered for transfer into the MBA 36 credit hours program. Research Project/Thesis is not transferable.
- A maximum of up to 36 credits may be considered for transfer into the MBA 72 credit hours program. Research Project/Thesis is not transferable.
- Only relevant courses of the EMBA (SZABIST) program are transferable into the regular MBA program subject to the eligibility criteria of the MBA program at SZABIST.

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.

SZABIST Inter-Campus Transfer

For inter-campus transfer, the candidate must fulfill the admission requirements of the given program at the local 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.

The minimum letter grade of Certificate courses from SZABIST which are transferable to regular degree program: for all master's program except for MS, C+ and above and for bachelor's programs C and above.

The minimum letter grade of Certificate courses from SZABIST which are transferable to regular degree program: for all master's program except for MS, C+ and above and for bachelor's programs C and above. For MS Programs: Equivalent courses with Grade Point of 2.75 (B-) and above for SZABIST Students; and 70% or above marks for external students. Equivalent courses with Grade point of 3.00 (B) and above for SZABIST Students; and 80% or above marks for external students.

The minimum letter grade of Certificate courses from SZABIST which are transferable to regular degree program: for MS its B- and above, for all master's program its C+ and above and for bachelor's programs its C and above.

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 Merit-Based Scholarship
- SZABIST Need-Based Scholarship
- General Subsidy
- Sindh Police Shaheed Scholarship
- SZABIST Employee Children Fee Concession
- SZABIST Employee Continuing Education Scholarship
- Sindh Education Endowment Fund Scholarship
- Baluchistan Education Endowment Fund Scholarship
- USAID Funded Merit and Need-Based Scholarship
- Various community-based scholarships

SZABIST also offers loan facilities as under:

- Ihsan Trust's Qarz-e-Hasna Interest Free Loan Facility



LIFE AT SZABIST

FACILITIES

Video Conferencing

SZABIST is the first educational institute in Pakistan that introduced multi-point interactive Video Conferencing (VC) technology in 2001. SZABIST regularly uses VC technology in interactive learning sessions among Dubai, Islamabad, Larkana, 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 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/Labs/Libraries

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.

SZABIST computer laboratories are regularly revamped with brand new labs space, furniture and latest machines with giga bite network connectivity to cater student's requirements. "Campus licensing" of latest software, including development tools, and operating systems provide an unmatched environment compared to majority of well-reputed universities of Pakistan.

SZABIST has computing facilities supported with 24x7 broadband connectivity of 295 Mbps committed bandwidth to the internet and intranet. SZABIST is Wi-Fi enabled since 2002. Two new computer labs are added to the existing labs infrastructure. Students and guest are welcome with their BYOD and can access all network available resources wirelessly. SZABIST has also acquired Microsoft IT academy and Oracle Academic Alliance program.

A dedicated Lab for Management Science program is established for research development and training purpose for students MS and PhD program this lab is equipped with tremendous high speed 12th generation computers for students.

SZABIST established Smart Lab equipped with tremendous high speed 12th generation laptops for students. These laptops are connected with SZABIST network through Wi-Fi.

A state of the art Smart screen is also available for teacher and students. They can interact with each other in more effective and robust way.

SZABIST has commissioned Robotics and Artificial Intelligence lab equipped with tremendous high speed GPU laptops for students. These laptops are connected with SZABIST network through Wi-Fi and brand bend to cater students assignments and projects.

LIFE AT SZABIST

SZABIST library holds a rich collection of books, Journals, Magazines, and a large number of digital libraries and online databases. SZABIST Library has 25 workstations through which students can access an unlimited number of journals and magazines. This facility is further extended to registered students through the SZABIST network on demand. SZABIST library provides comfortable physical spaces and furniture with a peaceful environment. Moreover, SZABIST has its own Research Centers, i.e., the Centre of Renewable Energy Research (CRER), and Sustainable Development Research Centre (SDRC) with their own specialized library for reference and general reading.

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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.

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.

Office of Research Innovation and Commercialization (ORIC)

ORIC is an academic support department in Shaheed Zulfiqar Ali Bhutto Institute of Science & Technology (SZABIST) that provides comprehensive services for research innovation and commercialization. It serve as a bridge in between multiple faculties of SZABIST and produces quality research and innovative products for filing patents / trademarks / designs.

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ORIC is the epicenter of all research and development activities within all campuses of SZABIST. 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 shorten the gap between acquired knowledge and required knowledge within the organization. The complete working of ORIC evolve in coaching, counseling, recognition and feedback. The leadership of ORIC is concerned with integrity, impartiality, professionalism, partner focus, efficiency, and mutual respect.

Team ORIC is continuously engaged in providing strategic direction to all research and development initiatives produced within the territory of SZABIST, and in promoting joint research activities with other horizontal and vertical partner institutions.

ORIC strengthen the relationship with industry, government and non-government organizations for promoting entrepreneurship, technology transfer, and commercialization activities produced.

ORIC concentrate on sustainability and reliability of the research products and has a mandate to earn yearly revenue from licensing, royalties, policy advocacy and other related activities.

Moreover, ORIC also invest in capacity development of the faculty, staff and other researchers in the university. It periodically arranges exhibitions, showcasing events, industry linkages fairs, and seminars at one side while training, workshop, innovation, and commercialization seminars on other side.

WHY ORIC

In recent millennium, 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. They are intended to run longer, invest more, look beyond and sharpen the competitiveness of industries, universities and regions.

Keeping in view of these challenges, the Office of the Research, Innovation and Commercialization has been initiated at SZABIST, Karachi.

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.

The Office of Research Innovation and Commercialization is being established to link research and commercialization from SZABIST with emerging and existing firms across Pakistan and around the world.

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 research results aid the growth of Pakistan's economy.

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.

ORIC IN 2024 - 25

ORIC SZABIST secured X category (67 Marks) in HEC evaluation 2023-24, which is leading towards research intensive university and bidding global research projects and collaboration.

ORIC SZABIST is continuously strengthening its relationship with the faculty and non-faculty members of SZABIST inwards, and with government & non-government organizations, industry and other higher educational institutions outwards.

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Main purpose of this association is to develop a long term industry – academia relationship that would cadre the essential elements of the fourth wave of industrial revolution (Industry 4.0).

Industry 4.0 is the origin of a new revolution since it integrate virtual and physical system of manufacturing and improved productivity, efficiency and quality of the product. Big Data, artificial intelligence and digital conversion of industrial processes, are essential ingredients of this wave.

ORIC has compiled its Five Year Plan with special emphasis of industry (4.0). Sustainable Competitive advantage is the only objective of this proposal which can be achieved through training & development, coaching and guiding the future scientist and researchers. This plan has also defined “Input – Throughput – Output” strategy that creates enabling environment for linking academia with the industry.

ORIC SZABIST has completed its half journey for academic session 2023-24 and achieved the target of Research Excellence through: competitive grant management, coordination & networking, policy advocacy, case studies and civic engagement events. Similarly, ORIC is promoting Innovation & Commercialization activities through: IP legislation, IP linkages, networking & coordination, and commercialization activities.

ORIC has published Research Funding Window (RFW) and Country Profile - Research & Innovation Indicators (CPRII) for researcher and scientists. ORIC SZABIST contesting several national and international research projects such as Medical Research Council United Kingdom and Higher Education Commission (HEC) supported grants Technology Development Fund (TDF) and Rapid Technology Transfer Grant (RTTG).

ORIC SZABIST has fully functional website and ranked in “X Category according to latest HEC evaluations. During the reference period of 2023–24 ORIC engaged in the mentoring and nurturing activities of Final Year Project students through the Business Lounge initiative and emerged as a winner in the National Idea Bank III Competition 2024, which was held at Aiwan-e-Saddar Islamabad on February 15, 2024. ORIC has organized numerous workshops and trainings on patent filing, innovative research, and project development activities for researchers, faculty members, and students.

ORIC helped inter-departmental intellectual property claims and facilitated their submission to IPO Pakistan. It is actively engaged in industry-academia linkages and periodically invites successful businesspeople to share their success stories with the students. ORIC also hosted mentoring and

collaboration activities within different departments of the university and provided its assistance to develop strategic relationships with government, donors, and the private sector. It played a pivotal role and contributed to the success of ZAB E FEST, a yearly showcasing event of the university, and provided seed money assistance to the potential FYPs

Business Incubation Centre (BIC) has been established at SZABIST University to provide basic infrastructure and allied facilities for research and young entrepreneurs who are interested in developing early-stage business ventures. Our Goal is to facilitate and produce successful firms that will contribute to community and economy.

We have launched the 1st Cohort at BIC and organized Bootcamp for awareness. We anticipate the graduates of BIC may create jobs, revitalize neighborhood, commercialize new technologies and strengthen local and international economies. Instead of creating job seekers, we try to turn new graduates into job providers.

For further information about ORIC SZABIST please visit oric.szabist.edu.pk

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

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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.

Newsletters

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

ZABFM

(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.

Student Support Services

For more than a decade (2009-to date), the main campus of SZABIST has been fortunate to have a unique and diverse student body with a healthy record of activities and a proud history of achievements. Since 2014, with the establishment of the Department of Student Support Services a more organized and focused approach has been adopted with the aid of student advisory policies and guidelines for

activities in the form of standard operating procedures and financial prudence guidelines with emphasis on paperwork and documentation/reports for record keeping all of which added much needed structure to student activities at the institute. The Student Advisory Office and the Executive Development Centre (EDC) work under the SSS.

In 2015, the same system was gradually introduced at other campuses of SZABIST and by now they have all had annually elected student council bodies.

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 in Karachi. 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, Karachi. Acts as a liaison between the SSC and the management of SZABIST.
- 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)

SZABIST Student Council (SSC)

Established in 2009, the SSC has been a union of hardworking, ambitious and talented individuals across all programs of SZABIST elected under the Election Commission of SZABIST. The selection of SSC workforce is by means of rigorous process all on an annual basis to form the student government at the institute, under the supervision of the Student Affairs Advisor.

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Furthermore, it acts as a parent body to its chapters in other campuses of SZABIST namely, SSC-Hyderabad Chapter, SSC-Islamabad Chapter SSC- Larkana Chapter, SSC-Dubai Chapter and SSC-Gharo Chapter.

What does SZABIST Student Council (SSC) do?

The SSC has been engaged in initiating wide range of meaningful activities ranging from intellectual programs to competitive sporting events. Among the most notable is the annual LEAD Convention, where SSC provides a platform to the young leaders, from all universities across the city, to contemplate over the global issues that require sustainable yet immediate solutions.

To offer a vibrant and healthy students environment at SZABIST, the SSC also arranges the Annual Orientation to welcome the new students, Beach Party, Musical Concert, Mehfil-e-Mushaira, Qawwali night, Graduation Week and many more other entertaining events.

SSC, being a proactive student body, engages in community services to inculcate a responsible citizenship behaviour among students. In this regard, the SSC has signed MoUs with different organizations and NGOs to contribute in various noble causes. Urban Forest and The ELF (Environmental Leaders Forum) are two such MoUs where the SSC is practically engaged in environmental protection and conservation through trainings, awareness programs, fundraisers, students' projects and other healthy activities. The SSC has also joined hands with the Ismail Industries Foundation for reducing the use of plastic on campus. In collaboration with the Ismail Foundation, special bins have been placed across all campuses to collect plastic on a daily basis. Burns Centre is another organization, the SSC and Rotaract Club of Karachi Campus have vowed to work for. Under this MoU, the students of SZABIST contribute to

spread awareness among masses related to managing injuries due to burns and their precautions. Further, SSC has also extended help to the countrymen whenever there is a need in times of national crisis like the flood disaster in the year 2022.

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.

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 student societies and projects operate. Each student society offers engaging events and programs for the students at SZABIST. The events include Farewell Dinner and Alumni Reunion, Graduation Week, Recreational Trips and Learnfest from the Student Council. SZABIST Cricket League and Sportfest from the Sports Society, Educational Study Tours from Social Sciences Society, Startup Extravaganza from the Entrepreneurial Society and Retail Extravaganza from the Marketing Society. ZABWELFARE arranged Medical Facilitation Camps and various donation drives (food commodities, clothes and tents) for the Flood Affectees, Blood Donation Drives for Thalassemia Patients and Plantation Drives.

The 5 pillars and respective societies are mentioned below:



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SZABIST Student Career Services & Alumni Relations

The office of Career Services and Alumni Relations work simultaneously to facilitate graduating students and Alumni, the core responsibility is to help graduating students and alumni to launch and build their careers as public service leaders.

SZABIST Student Career Services (SCS)

Student Career Services at SZABIST University Hyderabad campus 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.

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 with at least two semesters completed at SZABIST University.
- Bachelors degree students with 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.

Alumni Relations

The Alumni Relations Department at SZABIST University Hyderabad Campus plays a central role in fostering and maintaining strong connections between the university and its graduates. Committed to building a lifelong relationship with alumni, the department organizes various events, reunions, and networking opportunities to facilitate interactions among former students. Through these initiatives, the department aims to keep alumni informed about the university's developments, achievements, and ongoing projects. Additionally, the Alumni Relations Department actively seeks feedback from graduates to enhance the quality of education and services provided by SZABIST. A body with a name SZABIST Alumni Global Association (SAGA) is there to build strong bond with alumni. The vision of SAGA is "To empower the SZABIST Alumni for exploring new avenues and expanding knowledge for continuing their journey of self-discovery". By nurturing a sense of pride and belonging among alumni, the department contributes to the overall growth and reputation of the university, ensuring that graduates remain integral members of the SZABIST community long after their academic journey concludes.



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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 complete academic process flow of students from filling the online admission form to the printing of transcript and degree runs on ZAB LMS (ZAB Learning Management System).

Several educational institutions in Pakistan have shown their interest in ZAB LMS. The academic process of several institutions in Pakistan will soon be migrated onto our ZABLMS.

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

National and International Linkages and Collaborations

SZABIST is a registered member of the following international and national associations:

1. International Association of Universities (IAU), Paris
2. The Association to Advance Collegiate School of Business (AACSB), Singapore
3. Asia-Pacific Quality Network (APQN), People's Republic of China
4. The Talloires Network, USA
5. The Chartered Institute of Logistics and Transport (CILT), UK
6. Management Association of Pakistan (MAP), Karachi
7. Marketing Association of Pakistan (MAP), Karachi

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

The MoU will provide exemption from ACCA papers to Bachelors of Business Administration and BS Accounting & Finance courses.

2. Balochistan Education Endowment Fund Scholarship, Pakistan

Under this MoU Government of Balochistan will be

providing fully funded scholarship to 5-6 meritorious and financially challenged students of SZABIST who are local domicile certificate holders of Balochistan. The scholarship will be for the complete 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) will be conferred Coventry University degree on completing two years of education at SZABIST and one year at Coventry University, UK.

5. Greenstar Social Marketing Limited (GSM), Pakistan

Through this MoU SZABIST and GSM will work on the field of research pertaining to Family planning and child health.

6. Ihsan Trust, Meezan Bank Pakistan

The MoU with Ihsan Trust is aimed at provision of Qarz-e-Hasna (Interest-free Loan) facility up to 50 % of tuition fee to SZABIST students.

7. Integration Xperts (Private) Limited, Pakistan

Integration Xperts (Private) Limited and SZABIST will do Joint Research and Development on Bio-Sciences Health Tech Solutions such as Mobile Diagnostics, Diabetes Management and Remote Health Monitoring of Infants and Old Age people.

8. Sindh Integrated Emergency and Health Services (SIEHS)

SIEHS and SZABIST University have joined hands to promote research, public awareness, capacity building, and student engagement in the field of emergency and health services.

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9. Mitsubishi Corporation, Japan

Mitsubishi Corporation through this MoU would be Awarding scholarships to students enrolled in BSMS and BBA.

10. NOWPDP

NOWPDP a Disability Inclusion Initiative and SZABIST Karachi-BBA have joined hands for supporting initiatives for persons with disabilities in the province of Sindh. Both the parties will facilitate access to opportunities and services for persons with disabilities.

11. OPEN Organization of Pakistani Entrepreneurs of North America

SZABIST and OPEN Karachi Chapter will jointly establish student chapter to promote entrepreneurship and innovation among Pakistani youth by providing trainings, conducting workshops and seminars.

12. Orange Tree Foundation OTF, Pakistan

SZABIST collaborated with Orange Tree Foundation for providing scholarships for the students of SZABIST. This MoU ensures equitable opportunities of education for all the needy yet bright students. To bring them at par of mainstreaming through creating a critical mass of talented youth for the development of society.

13. Sindh Police Shaheed Scholarship

The MoU will enable children of Shaheed Police Officers of Sindh to study at SZABIST on scholarship. The MoU will be applicable to the Police employees who embraced SHAHADAT while performing their duty within the jurisdiction of the Sindh province.

14. Tabbā Kidney Institute

SZABIST and Tabbā Kidney Institute will participate in collaborative research and in capacity building activities and both will conduct academic research to get further insights into the areas of Urology. Students of Bachelor of Science in Public Health (BSPH) will get the opportunity of certificate-based volunteer work in TKI. To foster increased interaction among TKI research staff, SZABIST faculty and advanced / graduate students engaged in scientific and scholarly research in areas of mutual interest.

15. The Citizen Foundation, TCF Pakistan

As part of social responsibility, SZABIST and TCF have collaborated to facilitate TCF students with admission fee waiver, and scholarship opportunities to study in any of SZABIST degree programs.

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

SZABIST has signed a MoA with CILT for introducing certification in logistics and transport. To attain this certification, a total of three mandatory courses will have to be completed.

17. University of London, UK

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

18. 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. Whereas, BSAF alumni will be exempted from all 13 courses and operational level case studies and will only attempt two case studies.

19. National Clearing Company of Pakistan Limited (NCCPL)

SZABIST and NCCPL commit to organize awareness sessions, recruit talented students and explore possibilities in relation to the development of Capital Market through Investor Education, Curriculum Development, and Jointly Holding of Conference/ Seminar on Capital Markets.

20. Pathfinder

SZABIST and Pathfinder aim to collaborate, develop and launch innovation startups, learning hubs on ideas such as Reproductive health, Family Planning, Climate change and its Impact on women. Students of Life Sciences and Social Sciences will be working to provide solutions for the above stated issues.

21. Health Services Academy

The potential areas of collaboration between both parties are; Internships and practicum for the MSPH students, Joint/Mutual Research programs, collaboration for funded Projects, Conferences, Seminars, Certificate and diploma programs, On-the-job research training programs, and Faculty development program.

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22. Afzaal Memorial Thalassemia Foundation (AMTF)

SZABIST BABS Program will help the AMTF to conduct Blood Drives annually, for which all the resources will be arranged by AMTF. The Blood collected through Blood Drive will be used for the treatment of Thalassemia Patients.

23. Indus Hospital & Health Network (IHHN)

Through this MoU SZABIST and IHHN will make joint efforts to promote initiatives that aim to foster a sense of Social Responsibility among the students.

24. The Hunar Foundation (THF)

An understanding is developed with The Hunar Foundation (THF) to be a CSR Partner for the BS Entrepreneurship Program. SZABIST BS Entrepreneurship Program students will facilitate THF in raising funds through fund-raising activities. THF may assign capstone projects to SZABIST Faculty of Management Science students in the areas of marketing, policy matters, research, and any other area. THF will participate in Job Fairs and Recruitment Drives of SZABIST.

25. GETZ Pharma & BIDE

GETZ Pharma, BIDE, and SZABIST joined hands to foster a culture of collaboration to improve healthcare indicators in Pakistan. It will allow experienced physicians, researchers, and students at BIDE and SZABIST in scientific research to generate valuable insights into the areas of NDCs, particularly Diabetes. The three patrons will also engage in activities centered on the capacity building of healthcare providers.

26. FPCCI

FPCCI will effectively and professionally support SZABIST in its efforts to establish academic and research systems for addressing the challenges of national industry in terms of existing, emerging and future technologies.

27. Social, Entrepreneurship, and Equity Development (SEED) Ventures

Seed Ventures and SZABIST University will collaborate to conduct an entrepreneurship program aimed at fostering entrepreneurial skills and innovation.



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 144 credit hours. This is SZABIST's flagship program. For the BBA program, students are required to complete 46 courses and 03 credit hours Business Project, a 03 credit hours Community Service Project and 03 credit hours Graded Internship. The students will take 4 Program Electives courses from Management, Marketing, Finance, or Supply Chain Management. To obtain the BBA degree, students have to complete 144 credit hours including a six week graded internship. Maximum time limit to complete the BBA degree is six years. BBA program is an ACCA accredited program; those who complete BBA from SZABIST, Hyderabad, will get an exemption in 06 out of 09 ACCA Foundation papers (F1, F2, F3, F5, F7 and F9). BBA 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. BBA Program has been accredited by National Business Education Accreditation Council (NBEAC) and is also affiliated with Chartered Financial Analyst (CFA) Institute.

First Year

Fall Semester

BA 1108	IT in Business
BA 1109	Personal Management and Communication
BA 1203	Management Principles
BA 1206	Oral Communication and Presentation Skills
BA 1122	Islamic Studies / Humanities
BA 2313	Sociology
BA xxxx	Ideology and Constitution of Pakistan (2,0)

Spring Semester

BA 1101	Introduction to Accounting
BA 1102	Microeconomics
BA 1105	English Writing Skills
BA 1204	Maths for Business
BA 2403	Business Ethics
BA 2312	Human Behavior

Second Year

Fall Semester

BA 1201	Financial Accounting
BA 1211	Logic and Critical Thinking
BA 3504	Organizational Behavior
BA 2303	Marketing Principles
BA 1202	Macroeconomics
BA 2406	Business and Electronic Communication

Spring Semester

BA 2311	Business Statistics
BA 2411	Cost and Management Accounting
BA xxxx	Natural Science Elective (as offered by Campus)
BA 3502	Entrepreneurship

BA 3507	Consumer Behavior
BA 4810	Community Service Project

Third Year

Fall Semester

BA 3501	Financial Markets and Institutions
BA 3508	Media Management
BA 3605	Statistical Inference
BA 4706	Development Economics
BA 2301	Introduction to Business Finance
BA xxxx	University Elective (as offered by Campus)

Spring Semester

BA 3601	Financial Management
BA 3602	Marketing Management
BA 3603	Business Research Methods
BA 3607	Operations Management
BA 4804	Human Resource Management
BA 3630	Internship/Field Experience**

Fourth Year

Fall Semester

BA 2402	Retail Management
BA 3609	Pakistan Economy
BA 4705	Services Marketing
BA 4704	Management Information Systems
BA 4xxx	Program Elective-I
BA 4xxx	Program Elective-II

Spring Semester

BA 3505	Quantitative Skills
BA 4710	Business Project
BA 4801	Law and Taxation
BA 4814	Project Management
BA 4xxx	Program Elective-III
BA 4xxx	Program Elective-IV

FACULTY OF MANAGEMENT SCIENCES

UNIVERSITY ELECTIVE

(To be offered by the campus as Compulsory courses)

BA 3506	Foreign Languages
BA 3519	Current Affairs
BA 3613	World Economy
BA 3614	Business Analysis and Forecasting*
BA 3619	Enterprise Management
BA 4701	Islamic Banking and Finance*
BA 4707	Marketing Research*
BA 3515	Graphic Design for Multimedia*
BA 3621	Professional Development
BA 3521	Auditing
BA 3522	Social Advocacy and Community Service
BA 3622	e-Commerce*
BA 3523	Software Tools for Business*
BA 4730	Fundamentals of Artificial Intelligence*

Natural Science Electives

(To be offered by the campus 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 4735	Islamic Banking and Finance*
BA 4719	Investment Banking
BA 4724	Financial Modeling
BA 4727	Dynamics of Banking
BA 4752	Financial Reporting and Analysis
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*
BA 4769	Fintech
BA 4774	Alternative Investments

Marketing

BA 4116	Supply Chain Management
BA 4125	Emerging Media
BA 4126	Trade Marketing
BA 4217	Experiential Marketing
BA 4836	Marketing Research*
BA 4721	Advertising
BA 4722	Brand Management
BA 4739	Export Marketing

BA 4815	Event Management
BA 4816	Industrial Marketing
BA 4821	Media Planning
BA 4824	Sales Management
BA 4842	Graphic Design for Multimedia*
BA 4859	Product Innovation and Design
BA 4866	Integrated Marketing Communications
BA 4762	Digital Marketing
BA 4868	Marketing Analytics
BA 4874	e-Commerce*

Supply Chain Management

BA 4116	Supply Chain Management
BA 4126	Trade Marketing
BA 4768	Total Quality Management
BA 4739	Export Marketing
BA 4742	Customer Relationship Management
BA 4764	Dynamics of Logistics and Distribution
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

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

All courses may not necessarily be offered every year. Alternate Courses may be substituted as and when required. Full time academic load is 18 credits hours. All students are required to register for full load in the first semester.

All Muslim undergraduate students (Fall 2024 intake and onwards) would be required to clear **BA 1210 Teachings of Holy Quran** non-credit course to be eligible for the degree.

**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.

FACULTY OF MANAGEMENT SCIENCES

BS Accounting & Finance

BS A&F is a four-year (eight semesters) program and consists of 144 credit hours of teaching. Students are required to complete 47 courses, 3 credit hours Capstone Project, and 3 credit hours graded internship to graduate. The maximum duration to complete this degree program is six 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. BS A&F students are exempted from all 13 courses of Chartered Institute of Management Accountants (CIMA) qualification, and are only required to pass three case studies. Whereas, BS A&F alumni will be exempted from all 13 courses and operational level case studies and will only attempt two case studies.

First Year

Fall Semester

- AF 1101 Business Mathematics*
- AF 1102 Computer Concepts and Applications*
- AF 1104 Introduction to Financial Accounting*
- AF 1108 Ideology and Constitution of Pakistan **
- AF 1109 English Comprehension & Oral Communication*
- AF 1111 Islamic Studies/Humanities**
- AF 1112 Sociology**

Spring Semester

- AF 1201 Advanced Financial Accounting*
- AF 1211 Business Management*
- AF 1213 Human Behavior
- AF 2301 Business and Technical English Writing*
- AF 2405 Principles of Microeconomics*
- AF xxxx Natural Science Elective***

Second Year

Fall Semester

- AF 1202 Calculus for Business Studies
- AF 1212 Essentials of Marketing
- AF 2302 Cost Accounting*
- AF 3501 Accounting and Financial Information Systems
- AF 3505 Principles of Macroeconomics*
- AF 4703 Introduction to Business Finance*

Spring Semester

- AF 2401 Management Accounting
- AF 2404 Money and Banking
- AF 2406 Statistics and Probability*
- AF 2409 Personal Management and Professional Development
- AF 2411 Entrepreneurship

- AF 3503 Business Ethics

Third Year

Fall Semester

- AF 3506 Statistical Inference
- AF 3507 Financial Institutes and Markets
- AF 3511 Auditing -I*
- AF 3606 Taxation*
- AF 3607 Corporate Accounting*
- AF 3608 Islamic Banking and Finance

Spring Semester

- AF 2408 Business Analysis and Forecasting
- AF 3605 Financial Reporting*
- AF 3609 Business Research Methodologies
- AF 3611 Auditing-II*
- AF 4702 Financial Management
- AF 4812 Internship/Field Experience****

Fourth Year

Fall Semester

- AF 2305 Organizational Behavior*
- AF 4701 Business and Labor Law*
- AF 4712 Capstone Project
- AF 4801 Corporate Finance
- AF 4xxx Finance/Accounting Elective-I
- AF 4xxx Finance/Accounting Elective-II

Spring Semester

- AF 4707 Company Law*
- AF 4711 e-Commerce and Management Information System
- AF 4806 Human Resource Management
- AF 4807 Marketing of Financial Services
- AF 4xxx Finance/Accounting Elective-III
- AF 4xxx Finance/Accounting Elective-IV

FACULTY OF MANAGEMENT SCIENCES

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

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

Courses are subject to change.

** 2 Credit Hours courses

*** Proposed **Natural Science Electives** are:

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

**** 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.

All Muslim undergraduate students (Fall 2024 intake and onwards) would be required to clear

AF1210 Teachings of Holy Quran noncredit course to be eligible for the degree.

All courses may not necessarily be offered every year. Alternate courses may be substituted as and when needed. Fulltime academic load is 18 credit hours. All students are required to register for full load in first semester.



FACULTY OF MANAGEMENT SCIENCES

MBA Program

For students with 4-year undergraduate degree/16-years of education, the minimum duration of the MBA program is 2 years. Twenty-two courses (66 credit hours) and 6 credit hours of Research Project OR Thesis spread over two semesters (3+3) are required to complete the program. Students are also required to complete a six-week internship. The maximum duration to complete MBA program is 4 years. MBA Program is also 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.

First Year

Fall Semester

BA 5301 Financial Accounting*
BA 5419 Business Management and Ethics*
BA 5418 Managerial Communication*
BA 5502 Quantitative Tools for Managers*
BA 5302 Microeconomics*
BA 5106 Marketing Management*

Spring Semester

BA 5402 Macroeconomics*
BA 5205 Human Resources Management*
BA 5411 Cost and Management Accounting*
BA 5401 Introduction to Business Finance*
BA 5405 Statistical Inference*
BA 5501 Applied Research Methods

Second Year

Fall Semester

BA 5601 Strategic HRM
BA 5105 Financial Management*
BA 5203 Strategic Marketing
BA 5xxx Program Elective-I
BA 5xxx Program Elective-II
BA 5508 Research Project-I (3 Credits) OR
BA 5507 Thesis-I (3 Credits)

Spring Semester

BA 5104 Strategic Management
BA 5208 Strategic Finance
BA 5308 International Business
BA 5xxx Program Elective-III
BA 5xxx Program Elective-IV
BA 5608 Research Project - II (3 Credits)
BA 5607 OR Thesis-II (3 Credits)

* Exempted courses for BBA and Equivalent degree holders.

The students with 4-year BBA/BABS/BS (Accounting & Finance)/BS (Entrepreneurship) or equivalent degree are exempted 36 credit hours of course work. The minimum duration of degree for such students will be 1.5-year with the following program structure:

First Year

Fall Semester

BA 5501 Applied Research Methods
BA 5203 Strategic Marketing
BA 5601 Strategic HRM
BA 5208 Strategic Finance

Spring Semester

BA 5104 Strategic Management
BA 5xxx Program Elective-I
BA 5xxx Program Elective-II
BA 5508 Research Project-I (3 Credits) Or
BA 5507 Thesis-I (3 Credits)

Second Year

Fall Semester

BA 5308 International Business
BA 5xxx Program Elective-III
BA 5xxx Program Elective-IV
BA 5608 Research Project-II (3 Credits) Or
BA 5607 Thesis-II (3 Credits)

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

FACULTY OF MANAGEMENT SCIENCES

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.

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 5454 Real Estate Investments and Finance
- BA 5349 FinTech
- BA 5459 Islamic Capital and Money Markets

Banking

- BA 5284 Theory and Practice of Lending
- BA 5137 International Banking
- BA 5175 Banking Operations
- BA 5184 Financial Product Regulations
- BA 5235 Treasury and Funds Management
- BA 5244 Investment Banking
- BA 5273 Prudential Regulations
- BA 5278 Banking Crises and Management
- BA 5358 Applied Islamic Banking and 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 5335 Human Resource Audit
- BA 5332 Contemporary Issues in Human Resource Management
- BA 5435 Human Resource Management and Technology
- BA 5452 Psychological Contract in Organizations
- BA 5456 Leadership in Practice

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 5295 Crisis Management
- BA 5334 Corporate Sustainability
- BA 5242 Lean Six Sigma Manufacturing
- BA 5434 Hospitality and Tourism Management
- BA 5333 Business Theory
- BA 5433 Business Application

Business Analytics

- BA 5455 Business Data Visualization
- BA 5181 Business Intelligence and Data Warehousing
- BA 5236 Data Analytics for Business
- BA 5458 Business Intelligence Tools for Managers
- BA 5359 Digital Analytics & Consumer Insights

Marketing

- BA 5121 Advertising
- BA 5122 Brand Management
- BA 5123 Consumer Behavior
- BA 5124 Customer Relationship Management
- BA 5129 Services Marketing
- BA 5182 Trade Marketing
- BA 5186 Social Marketing
- BA 5217 Industrial Marketing

FACULTY OF MANAGEMENT SCIENCES

- 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 5198 Experiential and Content Marketing
- BA 5438 Marketing Practices in Pakistan
- BA 5331 Marketing Analytics
- BA 5339 Packaging for Brands
- BA 5337 Retail Strategy and Structure
- BA 5437 Retail Supply Chain Management
- BA 5436 Retail Operations
- BA 5336 Retail Buying and Merchandising
- BA 5451 Strategic Entrepreneurship
- BA 5355 Marketing Strategies for Emerging Economies

Supply Chain Management (SCM)

- BA 5457 Advanced Manufacturing and TPM in SCM
- BA 5194 Supply Chain Finance
- 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 5142 Materials Management
- BA 5432 Green Supply Chain Management
- BA 5431 Supply Chain Operations
- BA 5449 Strategic Warehouse Management
- BA 5439 Green Logistics
- BA 5237 Demand Planning and Forecasting in Supply Chain
- BA 5144 Distribution and Supply Chain Network Design
- BA 5356 International Trade Procedures and Practices
- BA 5143 Digital Supply Chain

Non-Credit Hours Course

- BA 5110 Software Tools for Business

Internship

All MBA students are required to complete a 6-week 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.



FACULTY OF MANAGEMENT SCIENCES

Master of Science in Management Sciences

There are two streams available for Master of Science in Management Sciences. 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. In the Research Work Stream, the student is required to complete 8 Courses and Two IRS OR one Thesis of Six credit hours. In both the streams, 30 credit hours are to be completed. The time limit to earn an MS degree is from 1.5 to 4 years. The detail of two streams is as follows:

1. MS By Course Work Stream

The Scheme of Study is as follows:

- Six Compulsory Courses
- Four Program Electives
- No IRS or Thesis

Compulsory Courses

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

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

- Finance
- Marketing
- Human Resource Management
- Business Analytics

First Year

Fall Semester

MS 5137	Research Methods and Techniques
MS 5132	Applied Strategic Management
MS 5238	Strategic Human Resource Development
MS 5104	Strategic Marketing Decisions

Spring Semester

MS 5204	Quantitative Tools for Research
MS 5318	Strategic Finance
MS 5xxx	Program Elective I
MS 5xxx	Program Elective II

Second Year

Fall Semester

MS 5xxx	Program Elective III
MS 5xxx	Program Elective IV

2. MS By Research Work Stream

The Scheme of Study is as follows:

- Six Compulsory Courses
- Two Program Electives
- Two IRS OR Thesis

Compulsory Courses

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

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

- Finance
- Marketing
- Human Resource Management
- Business Analytics

First Year

Fall Semester

MS 5137	Research Methods and Techniques
MS 5132	Applied Strategic Management
MS 5238	Strategic Human Resource Development
MS 5104	Strategic Marketing Decisions

Spring Semester

MS 5204	Quantitative Tools for Research
MS 5318	Strategic Finance
MS 5xxx	Program Elective I
MS 5xxx	Program Elective II

Second Year

Fall Semester

MS 5xxx	IRS I and IRS II OR
MS 5xxx	Thesis (Part I)

Spring Semester

MS 5xxx	Thesis (Part II) If Any
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FACULTY OF MANAGEMENT SCIENCES

PROGRAM ELECTIVES

Finance

MS 5113	Financial Time Series
MS 5103	Managerial Economics
MS 5105	Econometrics
MS 5111	Derivatives and Financial Risk
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 5414	Applied Econometrics
MS 5421	Capital Asset Pricing Model
MS 5425	Empirical Asset Pricing
MS 5317	Seminars in Finance
MS 5426	Mathematical Modeling in Finance
MS 5412	Islamic Banking and Finance
MS 5461	Fintech/Data Science for Finance
MS 5452	Applied Time Series Analysis and Forecasting With Software
MS 5469	Risk Management
MS 5459	Financial Modelling with Software

Marketing

MS 5301	Seminars in Marketing
MS 5422	Distribution and Channel Management
MS 5424	Strategic Brand Management
MS 5429	Marketing Metrics
MS 5431	Strategic Entrepreneurial Marketing
MS 5432	Strategic Social Marketing
MS 5428	Global Marketing Strategies
MS 5433	Advertising Research
MS 5434	Behavioral Marketing
MS 5456	Digital Marketing and Social Media
MS 5468	Retailing and Analytics
MS 5465	Market Strategy and Forecasting
MS 5453	Customer Relations Management

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

Business Analytics

MS 5467	Tools for Data Analytics (Mandatory for Business Analytics Students)
MS 5454	Data Mining

Finance

MS 5461	Fintech/Data Science for Finance
MS 5452	Applied Time Series Analysis and Forecasting With Software
MS 5469	Risk Management
MS 5459	Financial Modelling with Software

Marketing

MS 5456	Digital Marketing and Social Media
MS 5468	Retailing and Analytics
MS 5465	Market Strategy and Forecasting
MS 5453	Customer Relations Management

Management/HRM

MS 5455	Decision Support System
MS 5464	Management Models
MS 5457	Disaster Management (GIS)
MS 5463	HR Analytics
MS 5466	Performance Management

Supply Chain Management

MS 5471	Strategies for Managing Supply Chain
MS 5451	Advanced Warehouse, Stores and Material Management
MS 5462	Green Supply Chain Management
MS 5458	Distribution Networks

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 six compulsory 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.

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

The program is offered through a well-trained foreign qualified faculty. It consists of 44 courses (five/six courses per semester) with a total of 130 credit hours. BSCS Program is accredited by NCEAC. The maximum time to complete the degree is six years.

BS (Computer Science) COURSE PLAN (ROADMAP)

Sem.	Codes	Course Title	Cr.Hrs.	Pre-Req.
First Year				
Fall Semester				
	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
	CSCL 1108	Lab : Introduction to Computer Science	0, 1	1
	CSC 1107	Applied Physics	2, 0	2
	CSCL 1107	Lab: Applied Physics	0, 1	1
			16	
Spring Semester				
	CSC 1208	Object Oriented Programming Techniques	3, 0	3
	CSCL 1208	Lab: Object Oriented Programming Techniques	0, 1	1
	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 1211	Ideology and Constitution of Pakistan	2, 0	2
	CSC 2101	Communication and Presentation Skills	3, 0	3
			17	
Second Year				
Fall Semester				
	CSC 2102	Data Structures and Algorithms	3, 0	3
	CSCL 2102	Lab: Data Structures and Algorithms	0, 1	1
	CSC 1202	Multivariate Calculus	3, 0	3
	CSC 1201	Discrete Mathematical Structures	3, 0	3
	CSC 3105	Computer Organization and Assembly Language	2, 0	2
	CSCL 3105	Lab: Computer Organization and Assembly Language	0, 1	1
	CSC 3106	HCI & Computer Graphics	2, 0	2
	CSCL 3106	Lab: HCI & Computer Graphics	0, 1	1
	CSC xxxx	University Elective-1	2, 0	2
			18	
Spring Semester				
	CSC 2203	Database Systems	3, 0	3
	CSCL 2203	Lab: Database Systems	0, 1	1
	CSC 2204	Finite Automata Theory and Formal Languages	3, 0	3
	CSC 2206	Linear Algebra	3, 0	3
	CSC 3202	Design and Analysis of Algorithms	3, 0	3
	CSC 3101	Computer Architecture	3, 0	3
			16	

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

Third Year					
Fall Semester					
	CSC 3107	Operating Systems	2, 0	2	
	CSCL 3107	Lab: Operating Systems	0, 1	1	
	CSC 3201	Compiler Construction	3, 0	3	CSC 2204
	CSC 3109	Software Engineering	3, 0	3	
	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 3110	Community Service	2, 0	2	
	CSC 3111	Entrepreneurship	2, 0	2	
			16		
Spring Semester					
	CSC 1205	Technical and Business Writing	3, 0	3	CSC 1102
	CSC 3209	Computer Networks	2, 0	2	
	CSCL 3209	Lab: Computer Networks	0, 1	1	
	CSC 3206	Artificial Intelligence	2, 0	2	
	CSCL 3206	Lab: Artificial Intelligence	0, 1	1	
	CSC xxxx	CS Elective-1	3, 0	3	
	CSC xxxx	CS Elective-2	3, 0	3	
			15		
Forth Year					
Fall Semester					
	CSC 4105	Final Year Project-I	0, 3	3	
	CSC xxxx	CS Elective-3	3, 0	3	
	CSC xxxx	CS Elective-4	3, 0	3	
	CSC xxxx	University Elective-2	3, 0	3	
	CSC 4107	Information Security	2, 0	2	
	CSCL 4107	Lab: Information Security	0, 1	1	
	CSC 4109	Professional Practices	2, 0	2	
			17		
Spring Semester					
	CSC 4205	Final Year Project-II	0, 3	3	CSC 4105
	CSC 4106	Parallel and Distributed Computing	3, 0	3	CSC 2205, CSCL 2205
	CSC xxxx	CS Elective-5	3, 0	3	
	CSC xxxx	CS Elective-6	3, 0	3	
	CSC xxxx	CS Elective-7	3, 0	3	
			15		
Total Credit Hours			130		

All the undergraduate Muslim students (Fall 2023 intake onwards) will be required to complete the non-credit course **CSC 1215 Teachings of the Holy Quran**, to qualify for the degree.

A CSC xxxx Mathematics deficiency course will be offered to the students having limited mathematical background, as identified by the relevant PM/HOD.

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

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 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 Sciences
CSC 4724	User Interface Design
CSC 4725	Introduction to Development and Operations
CSC 4726	Systems and Network Administration
CSC 4827	Software Quality Engineering and Testing
CSC 4727	Hybrid Mobile Application Development
CSC xxxx	No Code Programming

UNIVERSITY ELECTIVES

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

CSC 4501	Business and Technology Ethics
CSC 4502	Design and Creativity
CSC 4503	Introduction to Accounting
CSC 4504	Organizational Behavior
CSC 4601	Foreign Languages
CSC 4602	History of Scientific Ideas
CSC 4603	Management Principles
CSC 4604	Research Report
CSC 4605	Sociology
CSC 4606	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	12	4
Elective Supporting Courses	3	1
General Education Requirement	30	12
Total	130	44

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. After completing the six-week internship, all students must submit a comprehensive report, giving details of their experience and learning.



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 130 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 44 courses with a total of 130 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					
	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	-
			16		
Spring Semester					
	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 1211	Ideology and Constitution of Pakistan	2, 0	2	
	CSC 2101	Communication and Presentation Skills	3, 0	3	CSC 1102
			17		
Second Year					
Fall Semester					
	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 2103, CSCL 2103
	CSCL 3105	Lab: Computer Organization and Assembly Language	0, 1	1	CSC 2103, CSCL 2103
	CSC 3109	Software Engineering	3, 0	3	
	SEC xxxx	University Elective-1	2, 0	2	
			18		

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

Spring Semester				
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 & 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	0, 1	1	CSC 3109
		16		

Third Year				
Fall Semester				
SEC 3604	Software Construction & Development	2, 0	2	SEC 2404
SECL 3604	Lab: Software Construction & Development	0, 1	1	SEC 2404
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	2, 0	2	
CSC 3111	Entrepreneurship	2, 0	2	
		16		

Spring Semester				
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	
		17		

Fourth Year				
Fall Semester				
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 2205, CSCL 2205
		15		

Spring Semester				
CSC 4205	Final Year Project-II	0, 3	3	CSC 4105
SEC xxxx	University Elective-2	3, 0	3	
SEC xxxx	SE Elective-5	3, 0	3	
SEC xxxx	SE Elective-6	3, 0	3	
SEC xxxx	SE Elective-7	3, 0	3	
		15		
	TOTAL CR. HR	130		

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

All the undergraduate Muslim students (Fall 2023 intake onwards) will be required to complete the non-credit course **CSC 1215 Teachings of the Holy Quran**, to qualify for the degree.

****A CSC xxxx Mathematics deficiency course will be offered to those students who have limited mathematical background (if deemed necessary by relevant PM/HOD).**

SE Electives

SEC 4516 Artificial Intelligence
 SEC 4537 Parallel and Distributed Computing
 SEC 4515 Digital Image Processing
 SEC 4528 Game Development
 SEC 4532 Introduction to Cloud Computing
 SEC 4543 Systems Programming
 SEC 4544 Technopreneurship
 SEC 3614 Computer Graphics
 SEC 4514 Introduction to Data Science
 SEC 4534 Modeling and Simulation
 SEC 3612 Mobile Application Development
 SEC 4521 Agent Based Software Engineering
 SEC 4522 Big Data Analytics
 SEC 4523 Computational Intelligence
 SEC 4524 Computer Vision
 SEC 4526 Design Patterns
 SEC 4511 e-Commerce
 SEC 4527 Formal Methods
 SEC 4531 Information Systems Audit
 SEC 4533 Management Information Systems
 SEC 4535 Multimedia Communication
 SEC 4536 Natural Language Processing
 SEC 4538 Real Time Systems
 SEC 4539 Semantic Web
 SEC 4519 Software Engineering Economics
 SEC 4542 Software Metrics
 SEC 4545 Topics in Software Engineering
 SEC 4518 Visual Programming
 SEC 4525 Data Encryption and Security
 SEC 4529 Global Software Development

SE Supporting courses

SEC 4713 Digital Logic Design

SEC 4714 Business Process Engineering
 SEC 4711 Formal Methods in Software Engineering
 SEC 4712 Operations Research
 SEC 4715 Stochastic Processes

UNIVERSITY ELECTIVES

SEC 3309 Organizational Behavior
 SEC 3307 Foreign Languages
 SEC 3308 Management Principles
 SEC 3306 Sociology
 SEC 3311 Psychology
 SEC 3301 Introduction to Management
 SEC 3302 Financial Accounting
 SEC 3303 Human Resource Management

DISTRIBUTION OF CREDIT HOURS

Areas	Cr. Hrs.	Courses
Computing Core	46	14
Domain Core	18	6
Domain Elective	21	7
Mathematics and Supporting Courses	12	4
Elective Supporting Courses	3	1
General Education Requirement	30	12
Total	130	44

Internship

The internship is scheduled at the end of third year. After completion of the six-week internship, all students are required to 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

BS ARTIFICIAL INTELLIGENCE

The Bachelor of Science in Artificial Intelligence BS(AI) program is offered by the Department of Robotics and Artificial Intelligence. This comprehensive four-year program encompasses a total of 44 courses, amounting to 130 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, Evolutionary Computing, Computer Vision, Software Engineering, and Natural Language Processing. The program comprises of 49 credit hours of Computing Core courses, 15 credit hours of Domain Core courses, 21 credit hours of Domain Electives, 9 credit hours of Mathematics and Supporting courses, 3 credit hours of Elective Supporting courses, and 33 credit hours of General Education Requirement courses. 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

To attain the educational objectives of programs, it is intended to produce the following measurable outcomes at the time of graduation. Graduates of the program will have:

- a. Ability to apply knowledge of mathematics, science, computing fundamentals and any of its specializations to solve complex problems.
- b. Ability to identify, formulate, research literature, and analyze complex problems reaching substantiated conclusions using basic principles of mathematics, natural sciences and computer science.
- c. Ability to design solutions for complex problems and design software systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
- d. Ability to investigate methodically complex problems including literature survey, design and conduct of experiments, analysis and interpretation of experimental data, and synthesis of information to derive valid conclusions.
- e. Ability to create, select and apply appropriate techniques, resources, and modern IT tools, including prediction and modeling, to complex activities, with an understanding of the limitations.
- f. Ability to understand the impact of professional solutions in societal and environmental contexts and apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues.
- g. Ability to apply ethical principles and commit to professional ethics and responsibilities and norms of society and professional practice.
- h. Ability to work effectively, as an individual or in a team, on multifaceted and/or multidisciplinary settings.
- i. Ability to communicate effectively, orally as well as in writing, on complex activities with the community and with the society at large, such as being able to write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- j. Ability to demonstrate management skills and apply systems development principles to one's own work, as a member and/or leader in a team, to manage projects in a multidisciplinary environment.
- k. Ability to recognize importance of, and pursue lifelong learning in the broader context of innovation and technological developments.

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 1211	Ideology and Constitution of Pakistan	2, 0	-
CSC 2101	Communication and Presentation Skills	3, 0	CSC 1102
	Sub-total	17	

Codes	Course Title	Cr.Hrs.	Pre-Req.
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
	Sub-total	16	

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
AI CL 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	3, 0	-
CSC 3109	Software Engineering	3, 0	-
AIC xxxx	AI Elective - III	3, 0	-
CSC 3110	Community Service	2, 0	-
Sub-total		17	
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		130	

All the undergraduate Muslim students (Fall 2023 intake onwards) will be required to complete the non-credit course **CSC 1215 Teachings of the Holy Quran**, to qualify for the degree.

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.

FACULTY OF COMPUTING AND ENGINEERING SCIENCES

- CSC xxxx Differential and Integral Calculus
in Computing
- CSC xxxx Algebraic Foundations and Applications
in Computing

Domain Electives

- AIC 4701 Advanced Statistics
- AIC 4706 Theory of Automata and Formal Languages
- AIC 4802 Data Mining
- AIC 4702 Deep Learning
- AIC 4805 Speech Processing
- AIC 4804 Reinforcements Learning
- AIC 4803 Fuzzy Systems
- AIC 4703 Evolutionary Computing
- AIC 4705 Swarm Intelligence
- AIC 4801 Agent Based Modeling
- AIC 4704 Knowledge Based Systems
- AIC 4814 Numerical Computing
- AIC 4712 Game Artificial Intelligence
- AIC 4815 Virtual and Augmented Reality
- AIC 4715 Web Programming with Django
- AIC 4713 Mobile Application Development
- AIC 4811 Digital Image and Video Processing
- AIC 4812 Generative AI
- AIC 4711 Big Data Analytics
- AIC 4813 HCI & Computer Graphics
- AIC 4714 Natural Language Processing

UNIVERSITY ELECTIVES

The Electives courses offered are as follows:

- AIC 4601 Business and Technology Ethics
- AIC 4501 Design and Creativity
- AIC 4503 Introduction to Accounting
- AIC 4504 Organizational Behavior
- AIC 4602 Foreign Languages
- AIC 4502 History of Scientific Ideas
- AIC 4603 Management Principles
- AIC 4605 Research Report
- AIC 4505 Sociology
- AIC 4604 Psychology
- AIC 4506 Financial Accounting
- AIC 4606 Introduction to Marketing

Distribution of Credit Hours	
Domain	Cr. Hrs.
Computing Core	49
Domain Core	15
Domain Elective	21
Mathematics and Supporting Courses	9
Elective Supporting Courses	3
General Education Requirement	33
Total	130



FACULTY OF COMPUTING AND ENGINEERING SCIENCES

MS Computer Science

SZABIST offers MSCS degree in three domains: Core Computer Science area and in two specialization tracks; i.e., 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 33 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 3 credit hours each. Else, the student is required to complete 9 courses (27 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

Second Semester

CSC 5201 Advanced Operating Systems
CSC 5202 Advanced Computer Architecture
CSC 5xxx Elective-I (from CS Stream)

Second Year

Third Semester

CSC 5xxx Thesis/Independent Research Study-I
OR Course Work (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 Work (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

Second Semester

CSC 5201 Advanced Operating Systems
CSC 5202 Advanced Computer Architecture
SEC 5xxx Elective-I (from SE Stream)

Second Year

Third Semester

CSC/SEC 5xxx Thesis/Independent Research
Study I OR Course Work (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 Work (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

Second Semester

CSC 5201 Advanced Operating Systems
CSC 5202 Advanced Computer Architecture
NSC 5xxx Elective-I (from N&S Stream)

Second Year

Third Semester

CSC/NSC 5xxx Thesis/Independent Research
Study I OR Course Work (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 Work (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

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 Fundamental
Data Structures
Operating Systems
Finite Automata Theory and Formal Languages

MS (CS) with SE-Specialization

Programming Fundamental
Data Structures
Operating Systems
Software Engineering

MS (CS) with N&S-Specialization

Programming Fundamental
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.



DEPARTMENT OF SOCIAL SCIENCES

Department of Social Sciences at SZABIST 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

BS Social Sciences

To obtain a BSSS degree in Economics, Sociology or International Relations, students are required to complete a total of 142 credit hours within 6 years. The degree consists of a total of 46 courses and a Research Project / Capstone Project.

First Year

Fall Semester

- SS 1117 Computer and Web Skills
- SS 1116 English for General Purposes
- SS 1104 Introduction to Community Development and Philanthropy
- SS 1201 Introduction to Social Sciences
- SS 1114 Ideology and Constitution of Pakistan (2,0)
- SS 1212 Islamic Studies OR
- SS 1213 Humanities* (For non-Muslim students)

Spring Semester

- SS 1217 Introduction to Psychology
- SS 1215 Introduction to Economics
- SS 1220 Introduction to Sociology
- SS 1216 Introduction to International Relations
- SS 1214 Introduction to Development Studies
- SS 2413 Philosophy

Non-Credit Hours Course*

- SS 1225 Teachings of Holy Quran

Second Year

Fall Semester

- SS 2316 English for Academic Purposes
- SS 2318 Mathematics and Statistics
- SS 2310 Business Ethics
- SS xxxx Major-I
- SS xxxx Major-II
- SS xxxx Major-III

Spring Semester

- SS 2418 Statistical Inferences
- SS 2410 Entrepreneurship
- SS 2407 Ecology
- SS xxxx Major-IV
- SS xxxx Major-V
- SS xxxx Major-VI

Third Year

Fall Semester

- SS 3512 Foreign Language-I
- SS xxxx Major-VII
- SS xxxx Major-VIII

SS xxxx Major-IX

SS xxxx Major-X

SS xxxx Major-XI

Spring Semester

- SS 3504 Research Methods
- SS 3612 Foreign Language-II
- SS xxxx Major-XII
- SS xxxx Major-XIII
- SS xxxx Major-XIV
- SS xxxx Major-XV

Summer Semester

- SS 3610 Internship

Fourth Year

Fall Semester

- SS 4709 Research Project-I/
- SS 4710 Capstone Project-I
- SS xxxx Major-XVI
- SS xxxx Major-XVII
- SS xxxx Major-XVIII
- SS xxxx Major-XIX
- SS xxxx Major-XX

Spring Semester

- SS 4809 Research Project-II /
- SS 4810 Capstone Project-II
- SS xxxx Major-XXI
- SS xxxx Major-XXII
- SS xxxx Major-XXIII
- SS xxxx Major-XXIV

*Mandatory course.

ELECTIVES

- SS 1154 Literature
- SS 1165 Human Geography
- SS 1157 Comparative Religion
- SS 1254 World History
- SS 1262 Mass Media
- SS 1163 Development and Politics
- SS 1263 Culture and Media in Sindh
- SS 1164 History of Ideas
- SS 4705 Sindh Studies
- SS 1264 Introduction to Philanthropy

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

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

Psychology

- PSY 2107 Experimental Psychology
- PSY 3105 Developmental Psychology
- PSY 2106 Educational Psychology

FACULTY OF EDUCATION & SOCIAL SCIENCES

PSY 2111 Physiological Psychology
 PSY 2110 Introduction to Social Psychology
 PSY 3110 Personality Theories
 PSY 3109 Introduction to Health Psychology
 PSY 2112 Psychological Testing
 PSY 3102 Clinical Psychology
 PSY 2109 Introduction to Organizational Psychology
 PSY 2104 Counseling & Psychotherapy
 PSY 3101 Addictive Psychology
 PSY 2108 Forensic Psychology
 PSY 3107 Family and Relationship Counseling
 PSY 3114 Rehabilitation Psychology
 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 2102 Clinical Internship
 PSY 3111 Positive Psychology
 PSY 2101 Abnormal Psychology

Sindh Studies

SS 4188 Geography and Geology of Sindh
 SS 4287 History and Politics of Sindh
 SS 4288 Irrigation System of Sindh

SS 4185 Agriculture in Sindh
 SS 4285 Archaeology of Sindh
 SS 4186 Anthropology and Culture of Sindh
 SS 4286 Art and Architecture in Sindh
 SS 4187 Ethnomusicology of Sindh
 SS 4289 Sindh's Economy and Commerce
 SS 4292 Survey of Sindhi Literature
 SS 4189 Philosophy of Sindh
 SS 4192 Sindh's Sociology-I: Education and Language Policy
 SS 4193 Sindh's Sociology-II: Social Structures and Development
 SS 4194 Sindh's Sociology-III: Health, Gender, and Feminism
 SS 4293 The Sindhi Diaspora
 SS 4291 Sindh's Geopolitical Exigencies
 SS 4191 Sindh's Botanical and Zoological Heritage

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.



ACADEMIC CALENDAR 2024-25 (Hyderabad Campus)

ACADEMIC CALENDAR 2024-25 (Hyderabad Campus)

FALL 2024

WEEK	COMMENTS
1	Course Registration
2	IS Thesis Advisors Meeting
3	
4	
5	Teaching Evaluation
6	Teaching Evaluation
7	
8	Mid-Term Exams
9	
10	
11	Last Week to Withdraw from Courses
12	
13	
14	
15	
16	Final Exam Week
17	Final Exam Week
	Comprehensive Exam

Classes Commencement Date

Hyderabad Campus:

17 August, 2024

ACADEMIC CALENDAR 2024-25 (Hyderabad Campus)

ACADEMIC CALENDAR 2024-25 (Hyderabad Campus)

SPRING 2025

WEEK	COMMENTS
1	Course Registration
2	
3	
4	
5	Teaching Evaluation
6	Teaching Evaluation
7	
8	Mid-Term Exams
9	
10	
11	Last Week to Withdraw from Courses
12	
13	
14	
15	
16	Final Exam Week
17	Final Exam Week
	Comprehensive Exam

Classes Commencement Date

Hyderabad Campus:

18 January, 2025

CAMPUS WISE PROGRAMS OFFERING (FALL 2024)

PROGRAMS OFFERING AT DIFFERENT CAMPUSES OF SZABIST (FALL 2024)

PROGRAMS	CAMPUS					
	Karachi	Islamabad	Larkana	Hyderabad	Dubai	Gharo
Bachelor of Business Administration (BBA)	✓	✓	✓	✓	✓	✓
Bachelor of Business Administration (BBA 2.5 Years)			✓			✓
BA (Hons.) in Business Studies (BABS)	✓					
BS Accounting & Finance	✓	✓	✓	✓		
BS (Accounting & Finance) 2.5 Years ICAP/CAF Qualified	✓	✓				
BS Entrepreneurship	✓					
BS Computer Science	✓	✓	✓	✓	✓	✓
BS Artificial Intelligence	✓	✓		✓		
BS Software Engineering	✓	✓		✓		
Bachelor of Media Science	✓	✓				
BS Social Sciences	✓	✓	✓	✓		
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 Logistic & Transport	✓					
Diploma in Early Childhood Education and Development	✓					
Master in Business Administration (MBA)	✓		✓	✓	✓	
Executive MBA	✓	✓			✓	
Masters in Project Management	✓	✓	✓		✓	✓
Professional MBA		✓				
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	✓	✓				
Master of Media Science	✓	✓				
MS Management Science	✓	✓	✓	✓		
MS in Finance & Economics	✓					
MS (Business Analytics)		✓				
MS Developmental 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 Clinical Psychology		✓				
MS (SS) with specialization in Sociology	✓	✓				
MS (SS) with specialization in International Relations	✓	✓				
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 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 institute. The institute, 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.

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