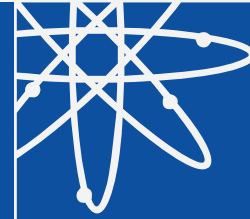


Master
of
Project Management
MPM



SHAHEED ZULFIKAR ALI BHUTTO
INSTITUTE OF SCIENCE & TECHNOLOGY



SZABIST

Dubai Campus

Executive
EMBA
MBA

Bachelor of Science
in Computer Science
BS (CS)

Bachelor
of
Business Administration
BBA

Master of Science
in Computer Science
MS (CS)

Master
of
Business Administration
MBA

Bachelor
of
Media Science
BMS

Prospectus
2014 - 2015



Discover Yourself...

We Just Don't Work Hard We Work Smart



A Decade of Excellence Award presented by Dr. Abdullah Al Karam, Chairman of the Board of Directors and Director General of Knowledge & Human Development Authority (KHDA) to SZABIST Dubai Campus.

SHAHEED ZULFIKAR ALI BHUTTO INSTITUTE OF SCIENCE & TECHNOLOGY

THE VISION

The Shaheed Zulfikar Ali Bhutto Institute of Science and Technology shall be a world class institute recognized globally for its excellence in education, scholarship in research and distinction in service.

THE MISSION

The Shaheed Zulfikar Ali Bhutto Institute of Science and Technology has been established with the objectives of producing highly qualified scientific and technical personnel to meet the country's requirements; conducting state-of-the-art scientific and technological research and development in support of the private and public sectors; providing hi-tech scientific and technological assistance to the Pakistani industry to enable it to compete with the world industries in global trading; providing highly trained scientific and technological personnel to be able to attract the growth of hi-tech industries and foreign and Pakistani investment; and providing a sound socio-economic and scientific base and infrastructure to Pakistan to be able to meet the economic and technological challenges of the 21st century.

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ACADEMIC CALENDAR 2014-15

Fall 2014
Spring 2015

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, on 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 one of the best higher education institutions in Pakistan: the Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST).

At SZABIST, you will be taught by highly qualified faculty and will have an opportunity of selecting courses from a variety of traditional and emerging programs that have all been approved by the Higher Education Commission (HEC) of Pakistan. SZABIST, living up to its mission of spreading education and research to every corner, has five dedicated university campuses: Karachi, Islamabad, Larkana, Hyderabad, and Dubai (UAE).

At SZABIST, you will become part of a community that believes research to be an integral part of its academic excellence, and encourages participation in research and extra-curricular activities, allowing you to realize your true intellectual and professional potential. In addition to a strong academia and research culture, SZABIST also offers numerous scholarships and financial assistance, to make education accessible and affordable for all its students.

Higher education will play an integral role in carving out your professional lives ahead. Choosing the right institution is an important step, hence I wish you all the success in your educational journey, and welcome you to the opportunity to “Discover Yourself”.

Dr. Azra Fazal Pechuho
Chancellor SZABIST

PRESIDENT'S MESSAGE



It gives me immense pleasure in welcoming prospective students to Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST). Over the past many years SZABIST has made remarkable progress in increasing its market reputation both nationally and internationally. This is evident from the increased enrollment in its five campuses (Karachi, Larkana, Hyderabad, Islamabad, and Dubai (UAE) and the expansion in its academic programs.

SZABIST guided by the vision of its Founding Chancellor, Shaheed Mohtarma Benazir Bhutto, has developed into a leading higher education institution, offering a range of courses from Biosciences and Mechatronic to Law and Media. SZABIST also provides hi-tech scientific and technological assistance to different industries of Pakistan. The Institute, in compliance with the Higher Education Commission (HEC), has developed curricula which not only relate to prevailing market challenges but also train students for the future demands of Pakistan's growing economy.

SZABIST maintains a high standard of education. We give priority to highly qualified faculty and professionals who provide a conducive and supportive teaching environment. In addition to a wide spectrum of disciplines as presented in this Prospectus, SZABIST offers exciting opportunities for co-curricular activities. Student societies of SZABIST organize guest speaker sessions, arrange workshops, and build networks with the Alumni and renowned companies for assistance in job placements.

Moreover, SZABIST has one of the highest ranking QECs of Pakistan. Quality assurance measures are rigorously applied at the university. The department of Institutional Research/Quality Enhancement Cell at SZABIST has implemented a number of quality measures that have enhanced the standard of education and research.

For the youth of Pakistan aspiring for a high quality, relevant education, SZABIST offers a premium learning environment. SZABIST is a perfect platform where students discover their talents and strengths, and overcome weaknesses to achieve their educational, professional, and personal aspirations. This prospectus provides you with comprehensive information about our programs. We hope you will become part of the SZABIST community of students and graduates.

Ms. Shahnaz Wazir Ali
Acting President, SZABIST

MESSAGE FROM HEAD OF CAMPUS



I welcome the new students and their parents to the SZABIST Dubai community for the Academic year 2014-2015. The year 2014 is a special year for us, as this year SZABIST Dubai completes a decade of providing quality education to students in the U.A.E. SZABIST was established by Shaheed Mohtarma Benazir Bhutto in memory of her father Shaheed Zulfikar Ali Bhutto, whose dream was to see an educated Pakistan. SZABIST Dubai continues to prosper under the dynamic leadership of Madam Bakhtawar Bhutto Zardari, serving the Pakistani community based in the U.A.E.

SZABIST Dubai is proud to be the institutional home of an outstanding graduate culture. Our faculty members are scholars and teachers with a very strong focus on the students in our programs where each student is an individual. Our diverse faculty is dedicated to helping students explore their possibilities and achieve their potential.

Our undergraduate and graduate programs are accredited by Higher Education Commission of Pakistan and approved by Knowledge & Human Development Authority in Dubai. SZABIST is committed to providing academic excellence in classrooms, relevant programs in our curriculum, and personal attention to our students.

One of our great strengths is the enthusiastic and personal involvement of our faculty and staff in creating a sense of community. We believe that the opportunity for higher education should be available to all who seek it, and we will continue to meet the ongoing challenges that higher education presents in the years ahead.

Our students are provided with the academic tools, practical skills, and real world opportunities necessary to advance as leaders in their professions and their communities. We encourage active participation in education that challenges critical thinking, provides career preparation, instills values, and inspires lifelong learning. We realize that each student is unique and, as a community, we strive to maximize that unique potential.

Higher education plays an important role in shaping your future. Make sure that you make the right choice in coming to SZABIST as a first step towards securing a bright and vibrant future.

Dr. M.N. Brohi
Head of Campus, SZABIST Dubai

INTRODUCTION

Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST) is a fully Chartered Institute established through a Legislative Act of Sindh Assembly (Sindh Act No. XI of 1995) and is approved and recognized by the Higher Education Commission (HEC), Pakistan, as a degree awarding institution.

SZABIST is known as one of the reputed and highest ranked by the HEC and Chartered Inspection and Evaluation Committee (CIEC). It comprises of five campuses, four diploma centers, three intermediate colleges, and one research center. Over 5,700 degrees have been awarded by SZABIST to date.

SZABIST has campuses in Karachi, Islamabad, Hyderabad, Larkana, and Dubai (UAE). SZABIST is a registered member of the International Association of Universities (IAU), Paris; Association of Commonwealth Universities (ACU), London; Association of Advance Collegiate Schools of Business (AACSB), Singapore; Federation of the Universities of Islamic World (FUIW), Rabat; Asia University Federation (AUF), Seoul; Asia-Pacific Quality Network, People's Republic of China; Management Association of Pakistan, Karachi; Marketing Association of Pakistan, Karachi, and Human Resource Development Network, Islamabad.

SZABIST is also ranked among the best Science and Technology and MBA schools in Asia by the CNN-Time publication, Asiaweek. SZABIST is also listed in the CNN Executive Education Schools, 2009. SZABIST, thus, has the unparalleled honor of being the only Pakistani Institute to be recognized internationally by BusinessWeek, Asiaweek, Asia Inc. and CNN.

SZABIST has signed articulation agreement with the University of Wales, UK. SZABIST has also signed MoUs with various prolific and seasoned organizations and institutions, to name a few: University of London, UK; Universal Academic Management Organization (UAMO), UAE; EMC Computer Systems, Austria; Philippines Women University, Philippines; and the Asian Academy of Film & Television, India.

SZABIST Karachi Campus is located in one of the most prestigious localities of Karachi at 90, 100, 108 154, and 172 Clifton. In January 1996, the first academic session commenced at the Karachi Campus in the Faculties of Management Sciences and Computer Science. Construction is currently being planned at Clifton for building a purpose-built campus for Management, Computer Science, Social Sciences and Media Sciences Departments. Moreover, a permanent engineering campus on 300 acre at the Education City in Malir, about 20 km from the Karachi Toll Plaza and 36 km east of Karachi Airport, and a Medical and Agricultural Complex at the 5000 acre campus at Gharo (about 30 km away from the Education City), are in planning phase.

Graduate education in the faculties, which are important for the scientific and socio-economic development of Pakistan, and which are presently offered only on a limited scale in our country, is offered at SZABIST's main campuses. More courses would be offered following the completion of construction project.

SZABIST Dubai Campus is located in Dubai International Academic City (DIAC), the world's only Free Zone dedicated to higher education. Here, in the company of some of the finest institutions from across the globe, we expect to achieve new heights in the pursuit of knowledge and academic excellence. All programs at SZABIST Dubai campus are approved by the Knowledge and Human Development Authority (KHDA).

PROGRAMS & CURRICULA

DEGREES OFFERED

(All degrees including all majors and courses are not offered at all campuses. Check with the local campus for offered degrees).

BBA

SZABIST offers a four-year (eight semesters) BBA degree program of 144 credit hours. For the BBA program, the students are required to complete 46 courses and a 6-credit Research Project. The courses include 42 compulsory courses and 4 electives from Management, Marketing and Finance. To obtain the BBA degree, students have to complete 144 credit hours and an internship. The maximum time limit to complete the BBA degree is seven years. Those who complete the BBA degree from SZABIST will get an exemption in ACCA papers F1, F2, F3 and F4. The program is accredited by National Business Education Accreditation Council (NBEAC).

BS (Computer Science)

SZABIST offers a four-year (eight semesters) BS Computer Science degree program which is accredited by NCEAC (National Computing Education & Accreditation Council). The program covers a wide range of courses in core computer science, information technology and software engineering. The program consists of 40 courses (five courses per semester) with a total of 130 credit hours. The complete course plan includes 7 technical electives and 2 university electives. These 7 technical electives provide focused learning in different areas of computer science and related disciplines. Internship and comprehensive examination are essential to complete as a part of degree requirement. The maximum time limit to complete the BS degree is 7 years.

Bachelor of Media Science

The Department of Media Sciences at SZABIST offers a comprehensive four-year Bachelor of Media Science degree with majors in Film and Television Production, Advertising Strategy & Design, and Journalism. To earn an undergraduate degree, students must enroll in and successfully complete a total of 135 credit hours which includes 43 courses, a 6-credit

thesis, and an internship. All students must complete their degree within 7 years.

EMBA

SZABIST offers a two-year EMBA degree program for executives and middle level managers who strive for excellence and greater challenges in their career. The unique program is specially designed for those executives who aim to enhance their efficiency and strategic thinking. The individuals will be able to leverage their rich work experience through our curriculum, interactive sessions, conferences, symposium and a wide corporate network. The EMBA program is spread over six semesters and consists of 66 credit hours. Twenty courses, one Business Project (3 credits) and one Research Project (3 credits) are required to graduate. Maximum time limit to complete the EMBA degree is 5 years.

MBA (Masters in Business Administration)

MBA program has been designed to impart quality professional knowledge and understanding of modern management tools, leadership and entrepreneurial skills, and managerial and communication competencies. The program is accredited by National Business Education Accreditation Council (NBEAC).

SZABIST offers MBA program with specialized fields of Management, Human Resource Management (HRM), Marketing and Finance. The maximum duration to complete the degree in any MBA program is 5 years.

MBA

(36 credit hours program)
This program is tailored for students with a four-year BBA degree and the minimum duration to complete the program is 1.5 years. The program comprises 10 courses (30 credits) and a Thesis/Research Project (6 credits) of one semester duration.

Students are also required to complete a

PROGRAMS & CURRICULA

6-week internship to fulfill their degree requirements.

MBA

(72 credit hours program)

This program is designed for students having a four-year non-business bachelors degree (like BS-CS, BE, MA or M.Sc) or 16 years of education. The duration to complete this program is 2 to 2.5 years. Twenty two courses (66 credits), a Thesis/Research Project (6 credits) and the completion of 6-week internship are required to secure the degree. Students are also required to clear the SZABIST comprehensive exam.

MBA

(90 credit hours program)

This program is developed for students having a 2-3 year undergraduate degree. The duration of the program is 3 to 3.5 years. Twenty eight courses (84 credits) and a Thesis/Research Project (6 credits) are required to complete the program. Students are also required to undertake a 6-week internship along with passing the SZABIST comprehensive exam.

MPM (Master in Project Management)

The Master in Project Management is designed to enable individuals to manage complex projects of today through modern project management approaches. MPM is a 1-year program comprising 33 credit hours spread over three semesters. Eleven courses are required to graduate. Maximum time limit to complete the MPM degree is 5 years.

MS(Computer Science)

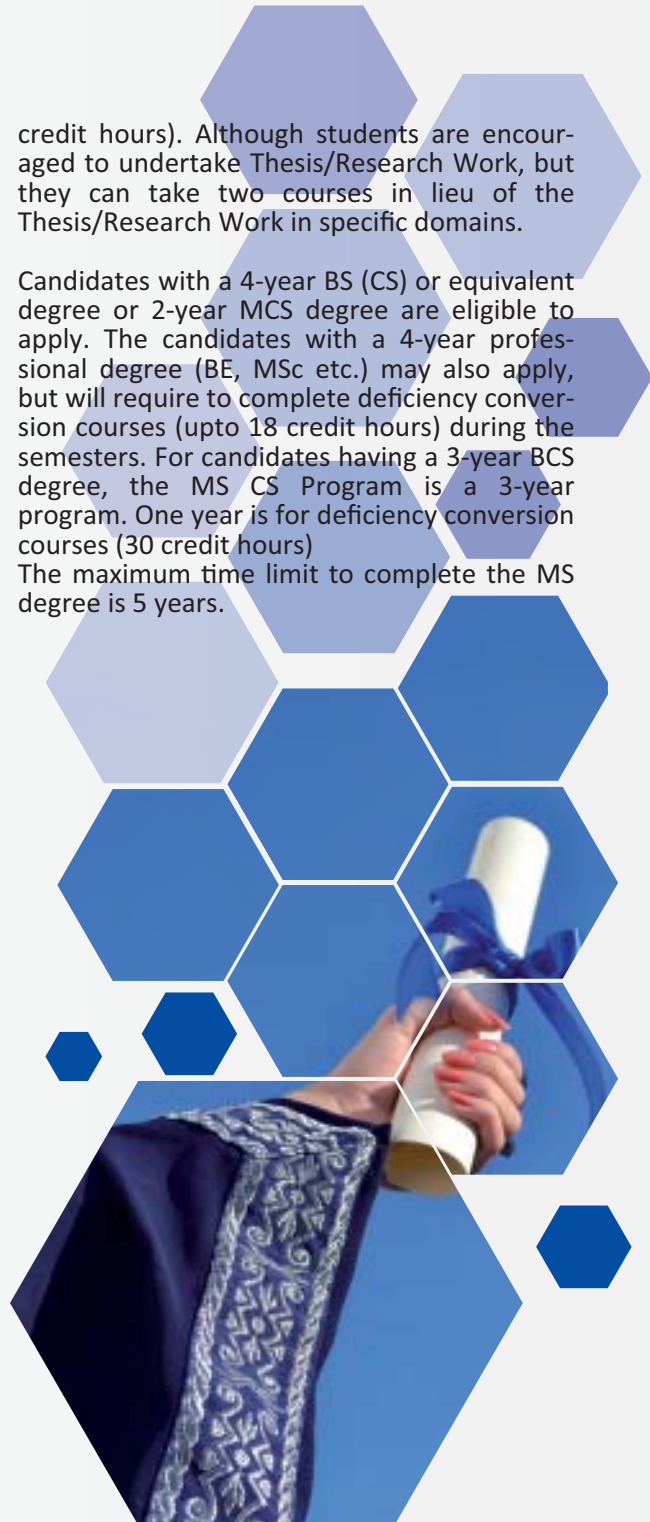
SZABIST offers MS (CS) degree in three domains: in Core Computer Science area, and in two specialization tracks, i.e., in Software Engineering (SE) and in Networks and Security (N&S). Students have to complete 3 focused courses in any specific domain.

The program is of 2-year duration and is offered in the evening. It requires 33 credit hours to complete, which consists of 9 courses (27 credit hours) and Thesis/Research Work (6

credit hours). Although students are encouraged to undertake Thesis/Research Work, but they can take two courses in lieu of the Thesis/Research Work in specific domains.

Candidates with a 4-year BS (CS) or equivalent degree or 2-year MCS degree are eligible to apply. The candidates with a 4-year professional degree (BE, MSc etc.) may also apply, but will require to complete deficiency conversion courses (upto 18 credit hours) during the semesters. For candidates having a 3-year BCS degree, the MS CS Program is a 3-year program. One year is for deficiency conversion courses (30 credit hours)

The maximum time limit to complete the MS degree is 5 years.



ADMISSION REQUIREMENTS

All applicants will be required to appear in entrance test and group discussion/interview at SZABIST.

BACHELORS

NOTE:

- *General paper (A levels) will not be counted.*
- *Equivalency from Inter Board Committee of Chairmen (IBCC)/Higher Education Commission of Pakistan (HEC), if applicable.*

BA/BS Programs

For admission in the BBA/BS programs, the candidate must have completed A levels (minimum 3-passes)/12th grade/Intermediate with minimum 50% marks, (including first year with no supplementary) or equivalent from a recognized institution (those waiting for results can also apply).

For BS Computer Science, candidates with Mathematical background will be preferred.

MASTERS

EMBA

For admission in the EMBA program, the candidate must possess a Bachelors degree with minimum 50% marks/CGPA of 2.5 from a university recognized by the Higher Education Commission (HEC) in any field of study with 4 years of Managerial level work experience.

Candidates with a minimum GMAT Score of 600, secured in the last 2 years are exempted from the admission test.

MBA Program

36 credit-hour program

For admission in the MBA 36 credit-hour program, the candidate must possess a 4 years BBA or relevant business degree with minimum CGPA of 2.5 from a university recognized by the Higher Education Commission (HEC).

72 credit-hour program

For admission in the MBA 72 credit-hour program, the candidate must possess a 4 years non-business bachelor degree with minimum CGPA of 2.5 or 16 years of education with minimum 55% marks from a university recognized by the HEC.

90 credit-hour program

For admission in the MBA 90 credit-hour program, the candidate must possess 14 years education with minimum CGPA of 2.5 or minimum 55% marks from a university recognized by the HEC.

MPM (Master in Project Management)

For admission in the MPM Program, the applicant must possess a minimum of sixteen (16) years of education/4-year Bachelor/Masters degree from an HEC recognized educational institute with minimum 55% marks/CGPA 2.5

MS

For admission to the MS program, candidates must possess 16 years of relevant education with minimum 55% marks/CGPA 2.5 from a university recognized by HEC.

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

TEST ALTERNATES

Applicants may submit a minimum 1650 score of SAT 1 for (BBA/BS), 50% score of GMAT for (MBA), 600 score of GMAT for (EMBA), GAT (General)/GRE for MS (Computer Science).

GAT general is mandatory for MS with minimum 50% score. GAT subject is mandatory for PhD with minimum 60 % score.

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. The maximum time limit to transfer courses is two years. Candidates will be required to clear all SZABIST admission requirements.

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

ADMISSION REQUIREMENTS

Bachelor Course Transfer

- A maximum of up to 6 credits may be considered for transfer into the fifth year MBA (36 credit hours) program. Research Project course is not transferable.
- A maximum of up to 36 credits may be considered for transfer into the MBA (72 credit hours) program. Research Project course is not transferable.
- A maximum of up to 45 credits may be considered for transfer into the MBA (90 credit hours) program. Research Project/thesis course is not transferable.

MPM Course Transfer

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

(SZABIST) course transfer

Only relevant courses in 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

Up to 50% of total course work completed at an HEC recognized university can be allowed for transfer at SZABIST MS program.

SZABIST Inter-Campus Transfer

For transfer from other SZABIST campuses, the candidate must fulfill the admission requirements of the local campus she/he wishes to transfer to, as per applicable transfer policy.

All courses/grades are transferable. A transfer fee will be payable for students transferring from any other SZABIST campus.

Certificate Course Transfer

For transfer candidates from the SZABIST Certificate Programs, all courses having a letter grade C- or above for the BBA/BS/BE/MBA and grade B or above for MS/PhD are transferable within one year.



LIFE AT SZABIST

FACILITIES

Video Conferencing

SZABIST is the first educational institute in Pakistan that introduced multi-way interactive Video Conferencing (VC) technology in 2001. SZABIST regularly uses VC technology in interactive learning sessions between Dubai, Islamabad, Larkana, Hyderabad and Karachi Campuses, as well as in conducting seminars/lectures/presentations with foreign universities. Video Conferencing has been the most effective mode at SZABIST in bringing in live and interactive guest lecturers from experts outside the country. 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 has also taken 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. These seminars and lectures are in continuation of the Institute's policy towards entrepreneurship development and networking. Seminars are conducted/attended by the leading figures from business and industry as these sessions address various business practices.

Classrooms/Labs/Libraries

Classroom sessions at SZABIST are quite different from other professional university setups. Teachers pay individual attention, thanks 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 PCs along with broadband intranet/internet connectivity.

SZABIST computer laboratories are equipped with high-end computers to cater to students' requirements. "Campus licensing" of latest software, including development tools, and OSs provide an unmatched environment compared to majority of well-reputed universities of Pakistan.

SZABIST has computing facilities supported with full 24x7 broadband connectivity of 38 Mbps Committed bandwidth to the internet and intranet.

STUDENT PLACEMENT CELL

The Student Placement Cell (SPC) at SZABIST, Dubai, facilitates students in completing their degree requirements, professional development, and job/internship placements.

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

SPC engages with the Alumni for relationship building, corporate networking and profile update.

Job & Internship Placements

In collaboration with the industry, SPC arranges on-campus recruitment drives and management trainee programs by reputable national and multinational companies. SPC facilitates students for internships and job openings in the corporate sector throughout the year.

LIFE AT SZABIST

To bridge the gap between classroom and work situation, SZABIST has instituted a mandatory internship program. Apart from enabling students to get the feel of an office environment, internships expose them to potential employers for possible recruitment.

Eligibility of Internship

- Masters Degree students with at least two semesters completed at SZABIST.
- Bachelors degree students with at least six semesters completed at SZABIST.
- Minimum duration of internship is six weeks.

Preference is given to those students who are about to graduate and need an internship as a requisite for their degree completion.

Newsletters

SZABIST publishes “SZAB’nings” from Karachi, “ZABNEWS” from Larkana and Islamabad and “INSIGHT” from Dubai. All previous issues of these publications and information on ongoing activities and events are available on the SZABIST website.

International Linkages and Collaborations

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

1. International Association of Universities (IAU), Paris
2. Association of Commonwealth Universities (ACU), London
3. The Association to Advance Collegiate School of Business (AACSB), Singapore
4. Federation of the Universities of Islamic World (FUIW), Rabat
5. Asia University Federation (AUF), Seoul
6. Asia-Pacific Quality Network (APQN), People’s Republic of China
7. Management Association of Pakistan (MAP), Karachi
8. Marketing Association of Pakistan (MAP),

Karachi

9. Human Resource Development Network (HRDN), Islamabad

Moreover, SZABIST has signed MoUs, articulation and collaboration agreements with the following universities and institutions:

1. Alliance Francaise, Karachi

The MoU with AF confirms the partnership between SZABIST and Alliance Francaise, Karachi in organizing the SZABIST Annual Media Festival 2014.

2. British Council and Scottish Documentary Institute

The MoU facilitates collaboration between SZABIST and BCSDI on a documentary film project that will entail screening of a selection of films from the ‘Stories’ project of Scottish Documentary Institute (SDI) and a talk about SDI’s work by Professor Noemie Mendell.

3. US Department of State's Bureau of Educational and Cultural Affairs

Under the MoU, the US Department of State's Bureau of Educational and Cultural Affairs and University of Southern California’s (USC) School of Cinematic Arts will conduct two-day workshop at SZABIST Karachi campus for the students of Media Sciences Department.

4. National ICT R&D Fund

According to this partnership, eligible and deserving students enrolled in ICT-related programs will be provided scholarship covering 100% tuition fee and stipend for lodging, books, transportation, and food.

5. Ihsan Trust

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.

LIFE AT SZABIST

6. FM 100 (Capital FM, Pvt. Limited, Media Group), Islamabad

The MoU is aimed at exploring cooperation between SZABIST and FM 100 in radio projects and capacity building initiatives, and networking and linkages events on diversified subjects.

7. Nur Center for Research & Policy, Lahore

The MoU facilitates collaboration for internships, trainings, research and consultancy projects, and organizing policy advisory forums across Pakistan and in the Middle East and South Asian region.

8. ARK Consulting Group, Islamabad

Under the collaborative agreement, SZABIST and ARK will jointly conduct series of professional workshops and diploma programs.

9. Pakistan Television (PTV) Corporation, Islamabad

The MoU pertains to cooperation in areas such as research, trainings and internships, employment, exchange of experts, access to archival materials, and other capacity building activities.

10. American Abroad Media (AAM)

According to the partnership, SZABIST students will be involved in the studio taping of the four Afghanistan-Pakistan town hall series.

11. Organization of Pakistani Entrepreneurs of North America (OPEN)

The MoU pertains to jointly establishing a student chapter of OPEN at SZABIST, namely 'OPEN SZABIST Karachi Student Chapter' to promote the spirit of entrepreneurship among Pakistani youth through personality assessment, seminars, workshops, individual mentoring sessions by qualified professionals, and other related activities.

12. Rotary Club, Islamabad, (Pakistan-Afghanistan), Rotary International

The MoU is aimed at exploring and strengthening collaboration in research projects and capacity building initiatives on diverse subjects of common interest.

13. Human Resource Development Network (HRDN), Islamabad

The MoU with HRDN is aimed at exploring and strengthening collaboration in research projects and capacity building initiatives, networking and linkages on diverse subjects of common interest.

14. Ozair Hanafi School of Learning (OHSOL)

Under the MoU, SZABIST and OHSOL would collaborate to strengthen the culture and spirit of entrepreneurship in the country and among the students.

15. Universal Academic Management Organization (UAMO), UAE

Under the collaborative agreement, UAMO will offer credited and non-credited academic and training programs at SZABIST Dubai campus.

16. UN Global Compact Pakistan Local Network Project

The MoU pertains to the development of three case studies on the best socially responsible practices in the country.

17. George Mason University (GMU)

The MoU confirms SZABIST's participation with GMU's School of Public Policy for providing higher education solution services to the United States Agency for International Development (USAID) and its units.

18. Peritus, Islamabad

The MoU promotes cooperation between SZABIST and Peritus in research projects and capacity building activities on diversified subjects.

19. KalSoft Pvt. Ltd., Pakistan

The MoU facilitates joint research, workshops and seminars, and sharing of knowledge and expertise.

20. AGEHI Resource Centre SACHET, Pakistan

The MoU facilitates joint research, dialogue among scholars, faculty exchange, joint diploma or certificate courses, and various capacity building activities.

LIFE AT SZABIST

21. The International Committee of the Red Cross (ICRC)

The MoU pertains to ICRC's financial contribution to SZABIST Law Society's International Humanitarian Law Moot Court.

22. EMC Computer Systems Austria GmbH

Under the agreement, EMC shall facilitate the students of SZABIST enrolled in the IT program with free-of-cost elective education programs and possible employment with EMC.

23. Australian Institute of Entrepreneurship (AIE)

The MoU allows AIE and SZABIST to work on enriching vocational education in Pakistan with innovative and dynamic entrepreneurship programs.

24. The University of South Wales

Under the agreement, University of South Wales will confer its degree to SZABIST students on completion of their final year, to be attended in UK, of the undergraduate program BA (Hons) Business Studies.

25. State University of New York at Buffalo (SUNYAB)

The MoU relates to SUNYAB working with SZABIST in the fields of food sciences and technology, animal and plant genetics, textile engineering, electrical engineering, marine biology, and mining engineering.

26. Asia Academy of Film & Television (AAFT), Noida, India

The MoU pertains to the development of programs in media arts and sciences including joint seminars, skill development programs, and student, staff, and faculty exchange.

27. The Philippines Women's University (PWU), Manila

The MoU is aimed at promoting the educational, social and economic well-being of students and faculty through joint seminars, exchanges, and visits.



FACULTY OF MANAGEMENT SCIENCES



FACULTY OF MANAGEMENT SCIENCES

SZABIST prepares students for leadership roles in business. SZABIST offers multidisciplinary course work to provide students with an understanding of the functioning and complexities of the corporate world. The course work at SZABIST is an intensive study in the latest curriculum through activity-and strategy-based methodology, and offers concentration in Management, Marketing and Finance.

THE PROGRAM AND FACULTY

Every effort has been made to design an academic program at SZABIST which conforms to standards of internationally recognized universities and caters to the needs of businesses and industry.

FACULTY OF MANAGEMENT SCIENCES

BBA

SZABIST offers a four year BBA degree program of 144 credit hours. For the BBA program, the students are required to complete 46 courses and a 6-credit Research Project. The courses include 42 compulsory courses and 4 electives from Management, Marketing and Finance. To obtain the BBA degree, the students have to complete 144 credit hours and an internship. The degree needs to be completed within seven years. Those who complete the BBA degree from SZABIST will get an exemption in ACCA papers F1, F2, F3 and F4. The maximum time to complete BBA degree is 7 years.

First Year

Fall Semester

- BA 1101 Introduction to Accounting
- BA 1102 Microeconomics
- BA 1105 English Writing Skills
- BA 1115 Middle East Culture and Society
- BA 1108 IT in Business
- BA 1109 Personal Management and Communication

Spring Semester

- BA 1201 Financial Accounting
- BA 1202 Macroeconomics
- BA 1203 Management Principles
- BA 1204 Maths for Business
- BA 1206 Oral Communication and Presentation Skills
- BA 1211 Logic and Critical Thinking

Second Year

Fall Semester

- BA 2301 Introduction to Business Finance
- BA 2303 Marketing Principles
- BA 2307 Sociology
- BA 2311 Business Statistics
- BA 2312 Human Behavior
- BA 2408 Cost Accounting

Spring Semester

- BA 2401 Money and Banking
- BA 2402 Retail Management
- BA 2403 Business Ethics
- BA 2406 Business and Electronic Communication
- BA 3504 Organizational Behavior
- BA 3507 Consumer Behavior

Third Year

Fall Semester

- BA 3501 Financial Markets and Institutions
- BA 3508 Media Management
- BA 3605 Statistical Inference
- BA 4706 Development Economics
- BA 4801 Law and Taxation
- BA xxxx Optional-I (as offered by Campus)

Spring Semester

- BA 3601 Financial Management
- BA 3602 Marketing Management
- BA 3607 Operations Management
- BA 3603 Business Research Methods
- BA 4804 Human Resource Management
- BA xxxx Optional-II (as offered by Campus)

Fourth Year

Fall Semester

- BA 3505 Quantitative Skills
- BA 4704 Management Information Systems
- BA 4705 Services Marketing
- BA 4814 Project Management
- BA 4xxx Elective-I
- BA 4xxx Elective-II

Spring Semester

- BA 3502 Entrepreneurship
- BA 3613 World Economy
- BA 4807 Research Project
- BA 4xxx Elective-III
- BA 4xxx Elective-IV

All courses may not necessarily be offered every year. Alternate courses may be substituted as and when required. Full-time academic load is 6 courses. All students are required to register for full load in the first semester.

FACULTY OF MANAGEMENT SCIENCES

INTERNSHIP

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

Optional Courses (To be offered by the campus as Compulsory courses)

- BA 3519 Current Affairs
- BA 3506 Foreign Languages
- BA 3619 Enterprise Management
- BA 3614 Business Analysis and Forecasting*
- BA 4707 Marketing Research*
- BA 4701 Islamic Banking and Finance*
- BA 4842 Graphic Design for Multimedia*

*Can be taken as an Elective if not offered by Campus as a compulsory course.

Elective Courses

Management

- BA 4116 Supply Chain Management
- BA 4117 Salary and Compensation
- BA 4711 Change Management
- BA 4713 Leadership and Motivation Techniques
- BA 4813 Training and Development
- BA 4815 Event Management
- BA 4812 Recruitment and Selection
- BA 4844 Operations Research

Marketing

- BA 4721 Advertising
- BA 4722 Brand Management
- BA 4824 Sales Management
- BA 4842 Graphic Design for Multimedia*
- BA 4125 Emerging Media

Finance

- BA 4719 Investment Banking
- BA 4732 Corporate Finance
- BA 4734 International Banking
- BA 4833 Security Analysis
- BA 4834 Treasury and Funds Management
- BA 4724 Financial Modeling
- BA 4701 Islamic Banking and Finance*



FACULTY OF MANAGEMENT SCIENCES

EXECUTIVE MBA

The EMBA is a 2-year program spread over six semesters and consists of 66 credit hours of teaching. Twenty courses, 1 Business Project (3 credits) and 1 Research Project (3 credits) are needed to graduate. Maximum time limit to complete the EMBA degree is 5 years.

First Year

First Semester

- BE 492 Business Management
- BE 417 Accounting for Business
- BE 447 Managerial Communication

Second Semester

- BE 413 Quantitative Analysis for Decision Making
- BE 415 Contemporary Marketing
- BE 421 Economics for Business

Third Semester

- BE 414 Business Finance
- BE 416 Organizational Behavior
- BE 418 Business Research Methods
- BE 434 Marketing Management

Second Year

Fourth Semester

- BE 423 Human Resource Management
- BE 443 Entrepreneurship and Family Businesses
- BE 478 Business Project
- BE 4xx Elective-I (Marketing, HR and Finance)

Fifth Semester

- BE 419 Strategic Management
- BE 444 Ethics and Corporate Governance
- BE 4xx Elective-II (Marketing, HR and Finance)

- BE 4xx Elective-III (Marketing, HR and Finance)

Sixth Semester

- BE 445 Managerial Accounting and Control

- BE 449 Operations and Supply Chain Management
- BE 451 Business Application of IT
- BE 448 Research Project (3 credits)

ELECTIVES

Marketing

- BE 473 Advertising
- BE 474 Brand Management
- BE 436 Retail Management
- BE 432 Services Marketing
- BE 472 Media Planning and Management
- BE 484 Consumer Behavior

Finance

- BE 481 Corporate Finance
- BE 424 International Banking and Finance
- BE 482 Islamic Banking and Finance
- BE 487 Portfolio and Investment Management
- BE 488 Project Evaluation
- BE 483 Analysis of Financial Statements

Human Resource Management

- BE 427 Leadership and Motivational Techniques
- BE 471 Compensation Management
- BE 486 Training and Development
- BE 476 Recruitment and Selection
- BE 485 Performance Appraisal

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

FACULTY OF MANAGEMENT SCIENCES

MBA PROGRAM

(36 credit hours program for students with 4-year BBA degree)

For students with a 4-years BBA degree, the duration of the MBA is 1.5-years. Ten MBA courses (30 credits) and a Thesis/Research Project (6 credits) are needed to graduate. Students are also required to complete a 6-week internship. The maximum duration to complete this degree is 5 years.

First Year

Fall Semester

BA 5103 Advanced Research Methods
BA 5104 Strategic Management
BA 5xxx Elective-I
BA 5xxx Elective-II

Spring Semester

BA 5203 Strategic Marketing
BA 5208 Strategic Finance
BA 5xxx Elective-III
BA 5xxx Elective-IV

Second Year

Fall Semester

BA 5308 International Business
BA 5318 Organizational Development
and Analysis
BA 5319 Research Project (6 credits), or
BA 5xxx Thesis

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

MBA PROGRAM

(72 credit hours program for students with a 4-year non-BBA degree)

For students with a 4-year non-BBA degree/16-years of education, the duration of the MBA program is 2 to 2.5-years. Twenty-two courses (66 credits) and a Thesis/Research Project (6 credits) are needed to graduate. Students are also required to complete a 6-week internship and clear the SZABIST comprehensive exam. The maximum duration to complete this degree is 5 years.

First Year

Fall Semester

BA 5301 Financial Accounting
BA 5419 Business Management and Ethics
BA 5418 Managerial Communication
BA 5305 Statistics and Mathematics for
Business
BA 5404 Marketing Principles
BA 5401 Introduction to Business Finance

Spring Semester

BA 5106 Marketing Management
BA 5205 Human Resource Management
BA 5105 Financial Management
BA 5403 Management Information Systems
BA 5406 Entrepreneurship

BA 5408 Business Economics

Second Year

Fall Semester

BA 5206 Business Research Methods
BA 5104 Strategic Management
BA 5208 Strategic Finance
BA 5308 International Business
BA 5xxx Elective-I
BA 5xxx Elective-II

Spring Semester

BA 5203 Strategic Marketing
BA 5318 Organizational Development
and Analysis
BA 5xxx Elective-III

FACULTY OF MANAGEMENT SCIENCES

BA 5xxx Elective-IV
BA 5319 Research Project (6 credits), or
BA 5xxx Thesis

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

MBA PROGRAM

(90 credit hours program for students with a 2 to 3-year undergraduate degree)

For students with 2 to 3-year undergraduate degree, the duration of the MBA program is 3 to 3.5 years. Twenty-eight courses (84 credits) and a Thesis/Research Project (6 credits) are needed to graduate. Students are also required to complete a 6-week internship and clear the SZABIST Comprehensive Exam. The maximum duration to complete this degree is 5 years.

First Year

Fall Semester

BA 5317 English Writing Skills
BA 5306 Computer Orientation and Packages
BA 5301 Financial Accounting
BA 5419 Business Management and Ethics
BA 5311 Personal Management

Spring Semester

BA 5408 Business Economics
BA 5404 Marketing Principles
BA 5418 Managerial Communication
BA 5305 Statistics and Mathematics for Business
BA 5401 Introduction to Business Finance

Second Year

Fall Semester

BA 5403 Management Information Systems
BA 5207 Organizational Behavior
BA 5405 Statistical Inference
BA 5105 Financial Management
BA 5106 Marketing Management

Spring Semester

BA 5406 Entrepreneurship
BA 5205 Human Resource Management
BA 5411 Cost and Management Accounting
BA 5xxx Elective-I
BA 5xxx Elective-II

Third Year

Fall Semester

BA 5206 Business Research Methods
BA 5104 Strategic Management
BA 5208 Strategic Finance
BA 5308 International Business
BA 5xxx Elective-III

Spring Semester

BA 5203 Strategic Marketing
BA 5318 Organizational Development and Analysis
BA 5xxx Elective-IV
BA 5319 Research Project (6 credits) or
BA 5xxx Thesis

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

MBA ELECTIVES

Management
BA 5112 Change Management
BA 5114 Leadership and Motivation Techniques
BA 5115 Operations Research
BA 5213 Project Management
BA 5214 Supply Chain Management

Human Resource Management

BA 5117 Performance Appraisal
BA 5118 Compensation Management
BA 5128 Leadership Readiness

FACULTY OF MANAGEMENT SCIENCES

BA 5216 Training and Development
BA 5215 Recruitment and Selection

Finance

BA 5131 Advance Financial Management
BA 5132 Analysis of Financial Statements
BA 5133 Corporate Finance
BA 5135 Financial Markets and Institutions
BA 5231 Islamic Banking and Finance
BA 5233 Project Evaluation
BA 5234 Security Analysis

Marketing

BA 5121 Advertising
BA 5122 Brand Management
BA 5123 Consumer Behavior
BA 5124 Customer Relationship Management
BA 5127 Global Marketing
BA 5129 Services Marketing
BA 5227 Sales Management
BA 5228 Retail Management

INTERNSHIP

All MBA students are required to complete a 6-week internship. SZABIST has a separate internship and placement department (SPC) that can help students to find a suitable company for their internship. Completion of the 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.

COMPREHENSIVE EXAMINATION

Students enrolled in the MBA (36 credits) program are not required to take the SZABIST Comprehensive Exam. However, students enrolled in the MBA (72 credits) and MBA (90 credits) programs are required to clear the Comprehensive Exam.

Rules of Comprehensive Exam can be obtained separately from the Examination Department.



FACULTY OF MANAGEMENT SCIENCES

Masters in Project Management (MPM)

The Masters in Project Management is designed to enable individuals to manage complex projects of today through modern project management approaches. MPM is a 1-year program comprising 33 credit hours spread over three semesters. Eleven courses are required to graduate. The maximum time to complete the degree is 5 years.

First Year

Fall Semester

- PM 5102 Fundamentals of Project Management
- PM 5101 Financial Management for Project Management
- PM xxxx Elective-I
- PM 5310 SAP Training

Spring Semester

- PM 5201 Project Scheduling, Planning and Time Management
- PM 5301 Project Quality Management
- PM 5103 Project Cost Management
- PM 5309 Project in Primavera
- PM xxxx Elective-II

Summer Semester

- PM 5303 Project Monitoring, Evaluation and Control Management
- PM 5209 Project

Elective Courses

- PM 5151 Enterprise Resource Planning
- PM 5152 Innovation and Technology Management
- PM 5153 Managing Projects
- PM 5251 Procurement and Contract Management
- PM 5252 Project Change Management
- PM 5253 Project Human Resource Management
- PM 5255 Project Change and Risk Management
- PM 5351 Project Risk Management
- PM 5352 Project Stakeholders Management
- PM 5353 Research Methods for Project Managers

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



FACULTY OF COMPUTING & ENGINEERING SCIENCES



FACULTY OF COMPUTING AND ENGINEERING SCIENCES

BS (Computer Science) program is offered by the Department of Computer Science which runs under the Faculty of Computing and Engineering Sciences. The department offers MS program in Computer Science. The objective of the BS (Computer Science) program is to inculcate a broad-based basic education in Computer Science and its related areas such as Software Engineering, Information Technology and Telecommunications. The students would acquire sufficient fundamental knowledge to adapt quickly to the changes that are occurring and will continue to occur during their professional careers. The program involves analysis, development and implementation of mathematical algorithms to solve computational problems, understanding computer electronics, study of operating systems, languages, compilers, data communication and networks, solving complex computing problems, designing man-to-machine interfaces and so on

SZABIST believes in conceptual learning. It has developed an organizational network of reputable multinational and national enterprises for collaboration in Computing. SZABIST runs its own software house which facilitates the students to meet the desired objectives and learning outcomes.

FACULTY OF COMPUTING & ENGINEERING SCIENCES

BS COMPUTER SCIENCE

The program is offered through a well-trained foreign qualified faculty. It consists of 40 courses (five courses per semester) with a total of 130 credit hours. BS (CS) Program is accredited by NCEAC. The maximum time to complete the degree is 7 years.

COURSE PLAN (ROADMAP) FOR BS(CS) PROGRAM

| Sem. | Codes | Course Title | Cr.Hrs. | | Pre-Req. |
|--------------------|----------|---|---------|---|----------|
| First Year | | | | | |
| Fall Semester | | | | | |
| 1 | CSC 1101 | Calculus and Analytical Geometry | 3,0 | 3 | |
| | CSC 1102 | English Composition and Comprehension | 3,0 | 3 | |
| | CSC 1103 | Fundamentals of Programming | 3,1 | 4 | |
| | CSC 1104 | Introduction to Computing | 2,1 | 3 | |
| | CSC 1105 | Islamiat and Pakistan Studies/Humanities | 3,0 | 3 | |
| Total Credit Hrs. | | | 16 | | |
| Spring Semester | | | | | |
| 2 | CSC 1201 | Discrete Mathematical Structures | 3,0 | 3 | |
| | CSC 1202 | Multivariate Calculus | 3,0 | 3 | CSC 1101 |
| | CSC 1203 | Object Oriented Programming | 2,1 | 3 | CSC 1103 |
| | CSC 1204 | Physics | 3,1 | 4 | |
| | CSC 1205 | Technical and Business Writing | 3,0 | 3 | |
| Total Credit Hrs. | | | 16 | | |
| Second Year | | | | | |
| Fall Semester | | | | | |
| 3 | CSC 2101 | Communication and Presentation Skills | 3,0 | 3 | CSC 1102 |
| | CSC 2102 | Data Structures and Algorithms | 3,1 | 4 | |
| | CSC 2103 | Digital Logic Design | 3,1 | 4 | |
| | CSC 2104 | Linear Algebra & Differential Equations | 4,0 | 4 | |
| | CSC 2105 | Statistics and Probability | 3,0 | 3 | CSC 1101 |
| Total Credit Hrs. | | | 18 | | |
| Spring Semester | | | | | |
| 4 | CSC 2201 | Computer Organization and Assembly Language | 3,0 | 3 | CSC 2103 |
| | CSC 2202 | Data Communications and Computer Networks | 3,1 | 4 | |
| | CSC 2203 | Database Systems | 3,1 | 4 | |
| | CSC 2204 | Finite Automata Theory and Formal Languages | 3,0 | 3 | CSC 1201 |
| | CSC 2205 | Operating Systems | 3,1 | 4 | |
| Total Credit Hrs. | | | 18 | | |
| Third Year | | | | | |
| Fall Semester | | | | | |
| 5 | CSC 3101 | Computer Architecture | 3,0 | 3 | CSC 2103 |
| | CSC 3102 | Human Computer Interaction | 3,0 | 3 | |
| | CSC 3103 | Introduction to Software Development | 3,1 | 4 | CSC 1203 |
| | CSC 3104 | Software Engineering-I | 3,1 | 4 | |
| | CSC 4xxx | University Elective-I | 3,0 | 3 | |
| Total Credit Hrs. | | | 17 | | |

FACULTY OF COMPUTING & ENGINEERING SCIENCES

| Sem. | Codes | Course Title | Cr.Hrs. | | Pre-Req. |
|----------------------|----------|---------------------------------|---------|---|----------------------|
| Spring Semester | | | | | |
| 6 | CSC 3201 | Compiler Construction | 3,0 | 3 | CSC 2204 |
| | CSC 3202 | Design & Analysis of Algorithms | 3,0 | 3 | CSC 2102 |
| | CSC 3203 | Numerical Computing | 3,0 | 3 | CSC 1101 |
| | CSC 4xxx | CS Elective-I | 3,0 | 3 | |
| | CSC 4xxx | CS Elective-II | 3,0 | 3 | |
| Total Credit Hrs. 15 | | | | | |
| Fourth Year | | | | | |
| Fall Semester | | | | | |
| 7 | CSC 4101 | Artificial Intelligence | 3,0 | 3 | CSC 2102 CSC 2204 |
| | CSC 4102 | Professional Practices | 3,0 | 3 | |
| | CSC 4105 | Final Year Project-I | 0,3 | 3 | CSC 3103 |
| | CSC 4xxx | CS Elective-III | 3,0 | 3 | |
| | CSC 4xxx | CS Elective-IV | 3,0 | 3 | |
| Total Credit Hrs. 15 | | | | | |
| Spring Semester | | | | | |
| 8 | CSC 4205 | Final Year Project-II | 0,3 | 3 | CSC 4105 |
| | CSC 4xxx | CS Elective-V | 3,0 | 3 | |
| | CSC 4xxx | CS Elective-VI | 3,0 | 3 | |
| | CSC 4xxx | CS Elective-VII | 3,0 | 3 | |
| | CSC 4xxx | University Elective-II | 3,0 | 3 | |
| Total Credit Hrs. 15 | | | | | |



FACULTY OF COMPUTING & ENGINEERING SCIENCES

CSC ELECTIVES

- CSC 4701 Advanced Internet Architecture
- CSC 4801 Advanced Programming Techniques
- CSC 4702 Advanced Telecommunication Technologies
- CSC 4802 Android Application Development
- CSC 4805 Data and Network Security
- CSC 4807 Embedded Programming
- CSC 4808 Ethical Hacking
- CSC 4714 Network Security and Encryption
- CSC 4815 Software Engineering-II
- CSC 4814 Software Project Management
- CSC 4716 Switching and Routing
- CSC 4717 Web Technologies-I
- CSC 4817 Web Technologies-II
- CSC 4718 Wireless and Mobile Technologies

UNIVERSITY ELECTIVES

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

- CSC 4501 Business and Technology Ethics
- CSC 4503 Introduction to Accounting
- CSC 4603 Management Principles
- CSC 4504 Organizational Behavior
- CSC 4505 Systems Administration

DISTRIBUTION OF CREDIT HOURS

| Course Group | | Cr. Hrs. | % |
|-----------------------------|--------------------|------------|-------------|
| Computing | Core Courses | 47 | 36% |
| | Supporting Areas | 12 | 9% |
| | General Education | 15 | 12% |
| Computer Science | Core Courses | 18 | 14% |
| | Electives | 21 | 16% |
| | Supporting Courses | 11 | 8% |
| University Electives | | 6 | 5% |
| Total | | 130 | 100% |

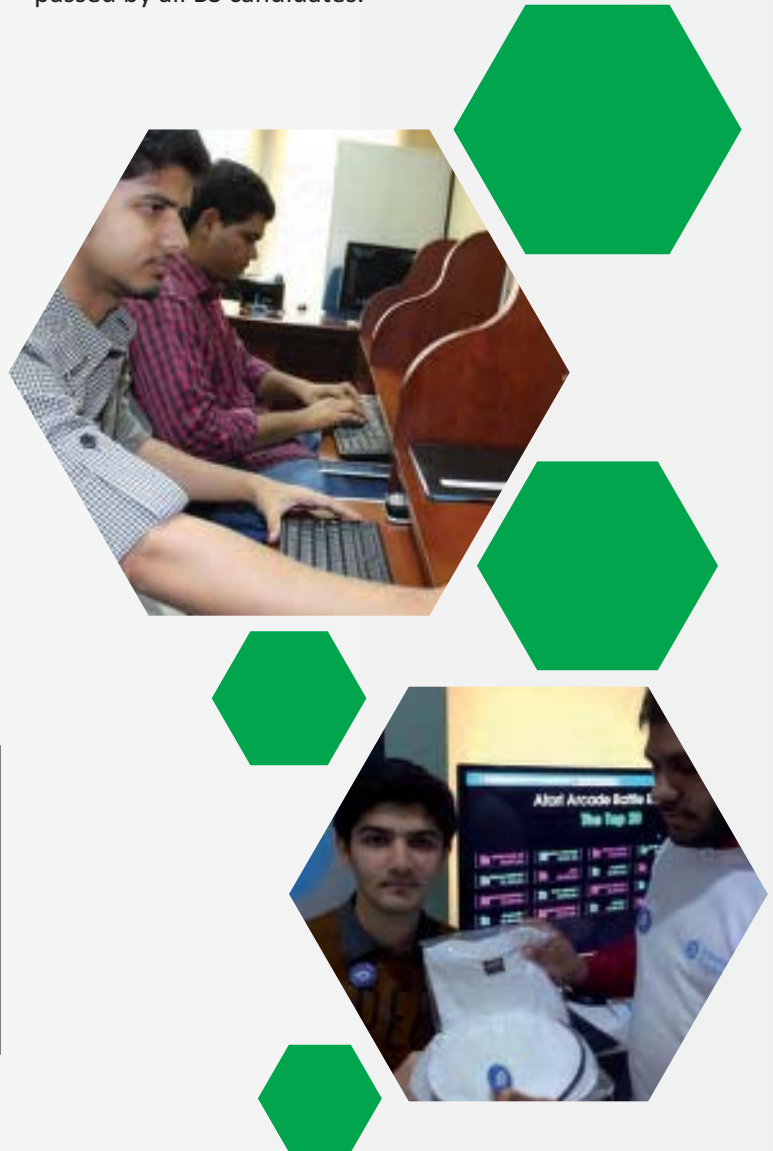
INTERNSHIP

The internship is scheduled for summer at the

end of third year. At the end of the six week internship, all students are required to submit a comprehensive report, giving details of their experience and learning.

COMPREHENSIVE EXAMINATION

The Comprehensive Examination must be passed by all BS candidates.



FACULTY OF COMPUTING & ENGINEERING SCIENCES

MS Computer Science

SZABIST offers MS (CS) 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, which consists of 9 courses (27 credit hours) and Thesis/Research Project (6 credit hours). Although we emphasize and encourage students to undertake Thesis/Research Project, they can take two courses in lieu of the Thesis/Research Project in specific domains.

The maximum time limit to complete the MS degree is 5 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 (Independent Study-Topic related to CS Streams-I or II)

Second Year

Third Semester
CSC 5xxx Thesis OR Course Work
(from CS-Stream-II)
CSC 5xxx Elective-II (from CS-Stream-I)
CSC 5xxx Elective-III (from CS-Stream-I)

Fourth Semester
CSC 5xxx Thesis OR Course Work
(from CS-Stream-II)
CSC 5xxx Elective-IV (from CS-Stream-I)

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 (Independent Study-Topic related to SE Streams I or II)

Second Year

Third Semester
CSC/SEC 5xxx Thesis OR Course Work
(from CS Stream-II or from SE-Stream-II)

SEC 5xxx Elective-II (from SE-Stream-I)
SEC 5xxx Elective-III (from SE-Stream-I)

Fourth Semester
CSC/SEC 5xxx Thesis OR Course Work
(from CS Stream II or from SE-Stream-II)
SEC 5xxx Elective-IV (from SE-Stream-I)

FACULTY OF COMPUTING & 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 (Independent Study-Topic related to N&S Streams-I or II)

Second Year

Third Semester

CSC/NSC 5xxx Thesis OR Course Work
(from CS Stream-II or from N&S-Stream-II)

NSC 5xxx Elective-II (from N&S-Stream-I)
NSC 5xxx Elective-III (from N&S-Stream-I)

Fourth Semester

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

CS-Stream-I

CSC 5xxx Real-Time Systems
CSC 5xxx Digital Image Processing
CSC 5xxx Machine Learning
CSC 5xxx Data Mining

CS-Stream-II

CSC 5xxx Reverse Engineering
CSC 5xxx Digital Forensics & Malware Analysis
CSC 5xxx Advanced Resource Sharing Architecture
CSC 5xxx Computer Vision
CSC 5xxx Robotics

CSC 5xxx Advanced Database Design
CSC 5xxx Distributed Computing
CSC 5xxx Systems and Network Programming

SE-Stream-I

SEC 5xxx Software Requirement Engineering
SEC 5xxx Software System Architecture
SEC 5xxx Software System Quality
SEC 5xxx Advanced Software Engineering

SE-Stream-II

SEC 5xxx Software Analysis & Testing
SEC 5xxx Web Engineering
SEC 5xxx Software Project Management

N&S-Stream-I

NSC 5xxx Advanced Computer Networks
NSC 5xxx Network Security
NSC 5xxx Applied Cryptography
NSC 5xxx Information Security

N&S-Stream-II

NSC 5xxx Telecom Policies and Regulations
NSC 5xxx Mobile Ad-hoc Networks
NSC 5xxx Advanced Data Communications

Pre-Requisites:

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

MS(CS) (in Core Computer Science)

Artificial Intelligence
Finite Automata Theory
Digital Logic Design

MS(CS) with SE-Specialization

Artificial Intelligence
Finite Automata Theory
Digital Logic Design
Software Engineering-I

FACULTY OF COMPUTING & ENGINEERING SCIENCES

MS (CS) with N&S-Specialization

Data Comm. and Computer Networks
Finite Automata Theory
Digital Logic Design
Full time academic load is three courses. All students are required to register for full load in the first semester.

COMPREHENSIVE EXAMINATION

All MS students registered/enrolled in the non-thesis MS program must pass the Comprehensive Examination.



FACULTY OF SOCIAL SCIENCES



FACULTY OF SOCIAL SCIENCES

SZABIST prepares students for managerial careers in Social Sciences. SZABIST offers course work in many disciplines to provide potential managers with an understanding of the complexities of the professional world in which they will operate and of the organizations of which they will become a part.

FACULTY OF SOCIAL SCIENCES

FACULTY OF SOCIAL SCIENCES

Department of Media Sciences

In the 21st century, media in their myriad forms, print, TV, radio, film, video, digital, virtual, and mobile have increasingly saturated all aspects of contemporary life. This proliferation of media presents vast opportunities and poses immense challenges. Our degree programs in Media Sciences are designed to help undergraduate students participate productively, both as practitioners and scholars, in this exciting and challenging environment.

Broadly defined, the Media Sciences constitute a field of study that encompasses the history, theory, production, content, and public effects of a variety of media including, but not limited to journalism, advertising, photography, radio, film, video, television, design, the Internet, digital technologies, and the performing arts. We recognize that studying media requires interdisciplinary thinking. Therefore, by bridging of theory and practice and using an interdisciplinary approach we give our students the skills, knowledge, and flexibility that the increasingly competitive international and national market demands.

Bachelor of Media Science

The Department of Media Sciences at SZABIST offers a comprehensive 4-year Bachelor of Media Science degree with majors in Film and Television Production, Advertising Strategy & Design, and Journalism. To earn an undergraduate degree, students must enroll in and successfully complete a total of 135 credit hours, which includes 43 courses, a 6-credit thesis, and internships. Forty-three courses include: 33 core courses, 7 major requirements in Film and Television Production, Advertising Strategy & Design, or Journalism, and 3 open electives. All students must complete their degree within 7 years

First Year

Fall Semester

MD 1107 Drawing and Perspective
MD 1102 English Writing Skills
MD 1116 Civilization Studies-I
MD 2322 Visual Communications
MD 3601 Art of Music
MD 1115 Introduction to Media Industries

Spring Semester

MD 1104 Culture, Media, and Society
MD 1106 Photography
MD 1119 Play Analysis
MD 1216 Civilization Studies-II
MD 2323 Production Practices-I
MD 2402 Islamiyat and Pakistan
Studies/Humanities

Second Year

Fall Semester

MD 1211 Basic Design
MD 2325 Media Research

MD 1217 Introduction to Sound
MD 2321 History and Aesthetics of Film
MD 2313 Idea Development
MD 2423 Theater Project
Spring Semester
MD 1118 Topics in Asian Literature
MD 2318 History of Commercial Art
MD 2427 Design Practices-I
MD 3523 Production Practices-II
MD 3505 Principles of Journalism
MD 2425 Audiovisual Editing

Third Year

Fall Semester

MD 1213 Creative Writing
MD 3518 Animation and Motion Graphics
MD 3527 Design Practices-II
MD 3511 Radio Channel Project-I
MD 2424 Media Psychology
MD 4714 Producing Short Narratives

FACULTY OF SOCIAL SCIENCES

Spring Semester
MD 2405 Media Laws and Ethics
MD 4xxx Major-I
MD 4xxx Major-II
MD 4xxx Major-III
MD 4xxx Major-IV
MD 4xxx Elective-I

Fourth Year

Fall Semester
MD 4701 State and Nation Building in Pakistan
MD 4xxx Major-V
MD 4xxx Major-VI
MD 4xxx Major-VII
MD 4xxx Elective-II

Spring Semester
MD 4807 Thesis-I
MD 3506 Theories of Visual Culture
MD 4xxx Elective-III

Summer Semester
MD 4808 Thesis-II

MAJORS

Film & Television Production
MD 4765 Basic Lighting
MD 4726 Directing-I
MD 4825 Screenwriting
MD 4821 Cinematography
MD 4764 Production Design
MD 4724 Documentary Vision
MD 4868 Production Practices-III

Advertising Strategy & Design
MD 4739 Advertising Design and Concept
MD 4847 Copywriting
MD 4736 Integrated Marketing Communication
MD 4846 New Media Advertising
MD 4837 Media Planning
MD 4782 Interaction Design
MD 4755 Brand Identity Management

Journalism
MD 4839 Reporting the News
MD 4759 Editing, Subediting, and Design

MD 4757 Feature Writing-I
MD 4864 Investigative Journalism and Crisis Reporting
MD 4879 Multimedia Journalism
MD 4783 TV Journalism
MD 4859 Introduction to Photojournalism

ELECTIVES

MD 4862 Advanced Studio Project-I
MD 4786 Directing for Actors
MD 4867 Topics in Film and Television
MD 4886 Game Design
MD 4732 Typography
MD 4854 Illustration
MD 4877 The International Newsroom
MD 4882 Audio Podcasting

Certain film and video production courses may require additional fees for equipment rental, film purchases, and travel. The Department of Media Sciences will make every effort to subsidize these costs in order to minimize their financial impact on students.

Students enrolled full time are required to take at least 5 courses each semester. Students unable to enroll full time should consult the Head of Department and the Program Manager to discuss any accommodation they might need. All first semester students are required to register for 6 courses.

INTERNSHIP

The Department of Media Sciences requires all students to complete a 6-week internship at an organization of their choice by the end of their third year. Upon completion of the internship, students must submit a comprehensive summary of what they learned following their internship.

All students are also required to work within the department to organize department's annual media festival in the third year of their degree.

ACADEMIC CALENDAR 2014

ACADEMIC CALENDAR

FALL 2014 (REGULAR PROGRAM)

| WEEK NO. | DATE | ACTIVITY |
|----------|-----------------|--|
| WEEK 01 | 20 Sep - 25 Sep | REGULAR CLASSES |
| WEEK 02 | 27 Sep - 02 Oct | REGULAR CLASSES |
| | 04 Oct - 09 Oct | REGULAR CLASSES/EID UL ADHA HOLIDAY |
| WEEK 03 | 11 Oct - 16 Oct | REGULAR CLASSES |
| WEEK 04 | 18 Oct - 23 Oct | REGULAR CLASSES |
| WEEK 05 | 25 Oct - 30 Oct | REGULAR CLASSES/ISLAMIC NEW YEAR HOLIDAY |
| WEEK 06 | 01 Nov - 06 Nov | REGULAR CLASSES |
| WEEK 07 | 08 Nov - 13 Nov | REGULAR CLASSES/10TH MOHARRAM HOLIDAY |
| WEEK 08 | 15 Nov - 20 Nov | MID TERM EXAMS /REGULAR CLASSES |
| WEEK 09 | 22 Nov - 27 Nov | REGULAR CLASSES |
| WEEK 10 | 29 Nov - 04 Dec | REGULAR CLASSES/UAE NATIONAL DAY HOLIDAY |
| WEEK 11 | 06 Dec - 11 Dec | REGULAR CLASSES |
| WEEK 12 | 13 Dec - 18 Dec | REGULAR CLASSES |
| WEEK 13 | 20 Dec - 25 Dec | REGULAR CLASSES |
| WEEK 14 | 27 Dec - 01 Jan | REGULAR CLASSES/NEW YEAR HOLIDAY |
| WEEK 15 | 03 Jan - 08 Jan | REGULAR CLASSES/MILAD UN NABI HOLIDAY |
| | 10 Jan - 15 Jan | MAKEUP CLASSES / PREPARATORY WEEK |
| | 17 Jan - 22 Jan | MAKEUP CLASSES / PREPARATORY WEEK |
| WEEK 16 | 24 Jan - 29 Jan | FINAL EXAMS |

ACADEMIC CALENDAR

OCTOBER/FALL 2014 (TRIMESTER)

| WEEK NO. | DATE | ACTIVITY |
|----------|----------|-----------------------------------|
| WEEK 01 | 24 - Oct | REGULAR CLASSES |
| WEEK 02 | 31 - Oct | REGULAR CLASSES |
| WEEK 03 | 07 - Nov | REGULAR CLASSES |
| WEEK 04 | 14 - Nov | REGULAR CLASSES |
| WEEK 05 | 21 - Nov | REGULAR CLASSES |
| WEEK 06 | 28 - Nov | REGULAR CLASSES |
| WEEK 07 | 05 - Dec | REGULAR CLASSES |
| WEEK 08 | 12 - Dec | MID TERM EXAMS |
| WEEK 09 | 19 - Dec | REGULAR CLASSES |
| WEEK 10 | 26 - Dec | REGULAR CLASSES |
| WEEK 11 | 02 - Jan | REGULAR CLASSES |
| WEEK 12 | 09 - Jan | REGULAR CLASSES |
| WEEK 13 | 16 - Jan | REGULAR CLASSES |
| WEEK 14 | 23 - Jan | REGULAR CLASSES |
| WEEK 15 | 30 - Jan | REGULAR CLASSES |
| | 06 - Feb | MAKEUP CLASSES / PREPARATORY WEEK |
| WEEK 16 | 13 - Feb | FINAL EXAMS |

ACADEMIC CALENDAR 2014

ACADEMIC CALENDAR

SPRING 2015 (REGULAR PROGRAM)

| WEEK NO. | DATE | ACTIVITY |
|----------|-----------------|---------------------------------------|
| WEEK 01 | 21 Feb - 26 Feb | REGULAR CLASSES |
| WEEK 02 | 28 Feb - 05 Mar | REGULAR CLASSES |
| WEEK 03 | 07 Mar - 12 Mar | REGULAR CLASSES |
| WEEK 04 | 14 Mar - 19 Mar | REGULAR CLASSES |
| WEEK 05 | 21 Mar- 26 Mar | REGULAR CLASSES |
| WEEK 06 | 28 Mar - 02 Apr | REGULAR CLASSES |
| WEEK 07 | 04 Apr - 09 Apr | REGULAR CLASSES |
| WEEK 08 | 11 Apr - 16 Apr | MID TERM EXAMS |
| WEEK 09 | 18 Apr - 23 Apr | REGULAR CLASSES |
| WEEK 10 | 25 Apr - 30 Apr | REGULAR CLASSES |
| WEEK 11 | 02 May - 07 May | REGULAR CLASSES |
| WEEK 12 | 09 May - 14 May | REGULAR CLASSES/ISRAA & MIRAJ HOLIDAY |
| WEEK 13 | 16 May - 21 May | REGULAR CLASSES |
| WEEK 14 | 23 May - 28 May | REGULAR CLASSES |
| WEEK 15 | 30 May - 04 Jun | REGULAR CLASSES |
| | 06 Jun – 11 Jun | MAKEUP CLASSES / PREPARATORY WEEK |
| WEEK 16 | 13 Jun – 18 Jun | FINAL EXAMS |

ACADEMIC CALENDAR

FEBRUARY/SPRING 2015 (TRIMESTER)

| WEEK NO. | DATE | ACTIVITY |
|----------|----------|-----------------------------------|
| WEEK 01 | 20 - Feb | REGULAR CLASSES |
| WEEK 02 | 27 - Feb | REGULAR CLASSES |
| WEEK 03 | 06 - Mar | REGULAR CLASSES |
| WEEK 04 | 13 - Mar | REGULAR CLASSES |
| WEEK 05 | 20 - Mar | REGULAR CLASSES |
| WEEK 06 | 27- Mar | REGULAR CLASSES |
| WEEK 07 | 03 - Apr | REGULAR CLASSES |
| WEEK 08 | 10 - Apr | MID TERM EXAMS |
| WEEK 09 | 17 - Apr | REGULAR CLASSES |
| WEEK 10 | 24 - Apr | REGULAR CLASSES |
| WEEK 11 | 01 - May | REGULAR CLASSES |
| WEEK 12 | 08 - May | REGULAR CLASSES |
| WEEK 13 | 15 - May | REGULAR CLASSES |
| WEEK 14 | 22 - May | REGULAR CLASSES |
| WEEK 15 | 29 - May | REGULAR CLASSES |
| | 05 - Jun | MAKEUP CLASSES / PREPARATORY WEEK |
| WEEK 16 | 12 - Jun | FINAL EXAMS |

FEES STRUCTURE

Fees Structure

- Application Fee AED 100 (non refundable)
- Admission Fee AED 1,000 (non refundable)
- Campus Security Deposit AED 500 (refundable)
- Visa Security Deposit AED 3,000 (refundable)
- Normal Visa Processing Fees per year AED 2,200
(Visa fee is subject to change as per immigration policy)

Tuition Fees per subject

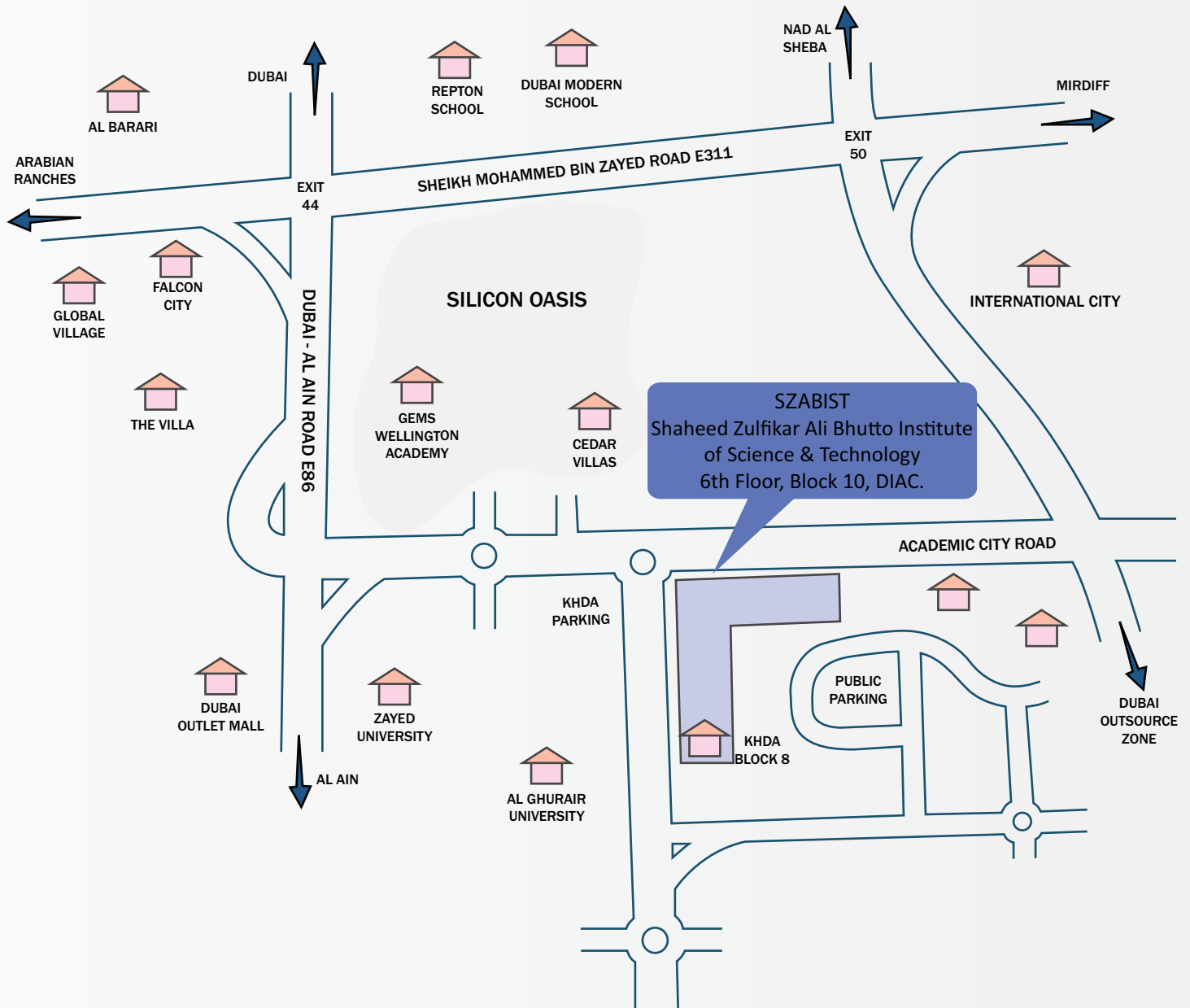
- BBA / BS (CS) AED 1,900
- BMS AED 2,100
- MBA / MS (CS) AED 2,000
- MPM AED 2,700
- EMBA AED 2,200

Transport Fees

- Dubai AED 550 per month
- Sharjah AED 550 per month
- Ajman AED 600 per month
- All other Emirates (Subject to the availability of sufficient number of students)
- Transport fees is subject to change according to the distance.



LOCATION MAP



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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