

BS Computer Science



SZABIST

ISLAMABAD CAMPUS

FACULTY OF COMPUTING

BS (Computer Science) program is offered by the Department of Computer Science which runs under the Faculty of Computing. The department offers MS & PhD programs in Computer Science as well. The objective of the BS (Computer Science) program is to inculcate a broad-based rudimentary education in Computer Science. 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, security, mobile computing 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 students to meet the desired objectives and learning outcomes.



PROGRAMS AT DEPARTMENT OF COMPUTING

- | | |
|------------------------------|---------|
| • BS Computer Science | BS(CS) |
| • BS Software Engineering | BS(SE) |
| • BS Artificial Intelligence | BS(AI) |
| • MS Computer Science | MS(CS) |
| • MS Cyber Security | MS(CYS) |
| • MS Data Science | MCS(DS) |
| • PhD Computing | PhD(CS) |



FACULTY OF COMPUTING

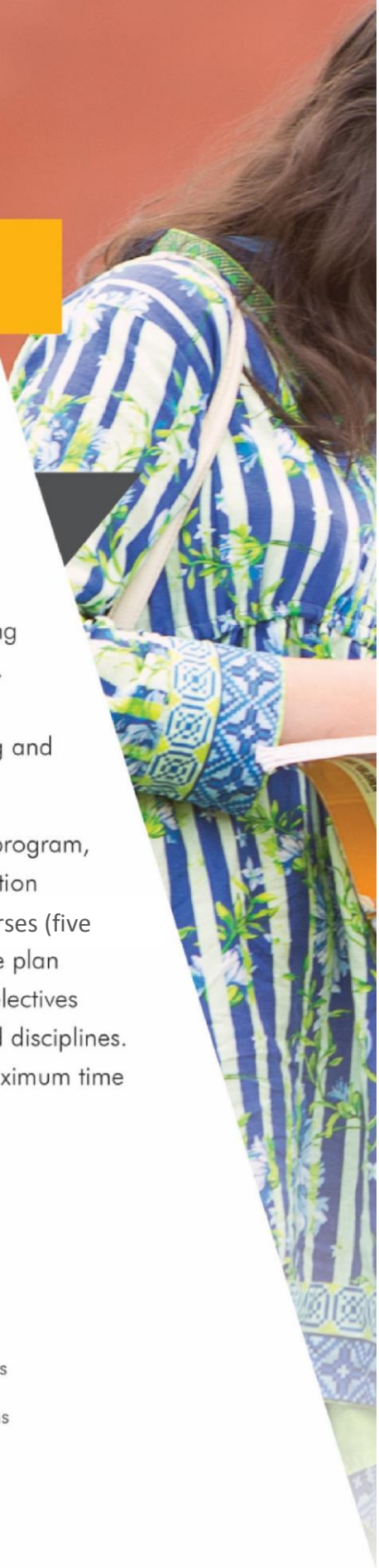
BS Computer Science

The objective of the BS (Computer Science) program is to inculcate a broad-based basic education in Computer Science. 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, programming languages, compilers, data communication and networks; solving complex computing problems; designing man-to-machine interfaces, security, mobile computing and so on.

SZABIST offers a four-year (eight semesters) BS Computer Science degree program, which is accredited by NCEAC (National Computing Education & Accreditation Council). The program is essentially a day-program and consists of 41 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 is essential to complete as a part of degree requirement. The maximum time limit to complete the BS degree is 6 years.

WHY JOIN BS CS?

- World-class faculty from some of the world's top institutions
- NCEAC accredited degree program
- State-of-the-art lab facilities
- Excellent job placements at national and international organizations





41

courses

130

credit hours

07

technical
electives

02

university
electives

Discover
Yourself

WE CELEBRATE DIVERSITY!

Let's Meet!

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