

Bachelor of Science (BSc) Computer Science - Cybersecurity



**SHAPE THE FUTURE OF SECURITY:
INNOVATING TOMORROW'S DEFENSES TODAY!**

WHY STUDY A BSC IN COMPUTER SCIENCE - CYBERSECURITY AT THE BRITISH UNIVERSITY IN DUBAI?

Cybersecurity provides you with the in-depth knowledge and skills to secure our dynamic digital world against the ever growing threats posed by emerging cyber-attacks. Through the program you will develop the capacity to utilize state-of-the-art AI technologies to enhance Cybersecurity as well as apply best practices of software engineering to secure digital systems.

You will gain the proficiency to preserve the Confidentiality, Integrity and Availability of systems and implement Information Governance Management Systems to comply with legal, ethical and social considerations for any enterprise. Additionally, students will learn to apply research design process to explore contemporary issues of Cybersecurity.

ENTRY REQUIREMENTS

Secondary level education (12 years) or equivalent. This includes UAE curriculum, British curriculum, American curriculum, or any other equivalent programme.

English Language proficiency equivalent to EmSAT score of 1100 or TOEFL score of iBT 61 or IELTS 5.0.

Students need to take proficiency test as per Ministry of Education requirements
(please check our website for more details www.buid.ac.ae)

PROGRAMME STRUCTURE

The Programme is delivered over 4 years. Each year is divided into 3 terms. In each term, students take 4 modules of 3 credit hours. Students start with a semi-common first-year before taking programme-specific modules in years 2-4.

PROGRAMME DESCRIPTION

Students will be able to apply core knowledge of computer fundamentals to solve a range of practical computer and Cyber security problems and be aware of the social, professional, ethical and legal issues involved in the use of computing systems. Students will get familiar with contemporary tactics, techniques and procedures adopted by the malicious actors, emerging computing technologies, and learn advanced cyber security and their applications.

Students will be able to demonstrate effective work habits, leadership, and social responsibility in context, apply new techniques and technologies as they emerge, analyse a problem and create an appropriate secure algorithmic solution, and develop communication skills, initiative, professionalism and the ability to work independently as well as with others.

CAREER PROSPECTS

If you are considering studying for a Bachelor's in Computer Science with Cybersecurity Concentration, you probably already know that this can lead to a very wide range of careers and jobs. The market requires information security consultants, engineers, managers, IT security auditors, cyber forensics experts, incident responders and threat analysts, secure application developers, cybersecurity researchers and security data scientists. As prioritising cybersecurity has become mandatory for organisations, this means data security and relevant compliance requirements will open further opportunities in this domain for the graduates.

ABOUT BUiD

The British University in Dubai (BUiD) was established by law number 5 in 2003, by His Highness the late Sheikh Maktoum bin Rashid bin Saeed Al Maktoum, Ruler of Dubai, as a not-for-profit entity. The University grew out of collaborations between British and Dubai academic, government and commercial organisations to make a unique contribution to the UAE and the Gulf region.

The academic support that BUiD enjoys from its alliance with Russell Group universities in the UK has contributed to its success. These universities include the University of Edinburgh, the University of Glasgow, and the University of Manchester - all in this world's top 100.

Scholarships are available - Please check our website www.buid.ac.ae