

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

SPECIALIZATION: CYBER SECURITY

STUDENT NAME: اسم الطالب/الطالبة: STUDENT ID NUMBER: الرقم الجامعي: Total Credits Hours = 120 CR										
GENERAL SKILLS COURSES (12 CR) (BSc: 12 CR) = Total 12 CR						CORE COURSES REQUIREMENTS (78 CR) (Core: 72 CR+ 6 CR ELECTIVE) = Total 78 CR				
COURSE CODE	COURSE TITLE	CR	AY/ SEM	PRE- REQUISITE	SIT *	COURSE CODE	COURSE TITLE	CR	AY/ SEM	PRE- REQUISITE
ENGL112	English for Academic Purposes	3				CSCI101	Programming I	4		
CSCI104	Introduction to Artificial Intelligence	3				CSCI102	Programming II	4		CSCI101
MANG201	Fund. of Innovation & Entrep.	3				CSCI103	Fundamentals of Electronics and Digital Systems	3		
GEN101	UAE Society	3				MATH105	Discrete Mathematics	3		
						MATH106	Calculus	3		
SPECIALIZATION COURSES REQUIREMENTS (18 CR) (Specialization: 18 CR) = Total 18 CR						CSCI201	Data Structures	3		CSCI102
						CSCI202	Computer Organization and Assembly Language	3		
CYBR401	Network Security	3		CSCI205		MATH205	Linear Algebra	3		
CYBR201	Digital Forensics	3				CSCI204	Design and Analysis of Algorithms	3		CSCI201
CYBR402	Cryptography	3				CSCI205	Computer Networks	3		
CYBR203	Secure Software Development and Testing	3				CSCI206	Embedded Systems	3		CSCI103
CYBR301	Ethical Hacking I	3				CSCI207	Databases	3		
CYBR303	Ethical Hacking II	3		CYBR301		MATH208	Probability & Statistics	3		
						CSCI301	Automata, Computability, and Complexity	3		
PRACTICAL EXPERIENCE & PROJECTS REQUIREMENTS (12 CR) (6 CR for Capstone Projects + 3 CR for CBT +3 CR for WBT) = Total 12 CR						MATH310	Graph Theory	3		
Campus-Based Training (CBT) (3 CR)						CSCI303	Computer Architecture	3		
CSCI105	Fundamentals of IT Support and Hardware	1				CSCI304	Computational Geometry	3		
CYBR201	Information Assurance	1				MATH302	Optimization Techniques	3		
CYBR302	Offensive Security	1				CSCI308	Research Methods	1		
Capstone Project (6 CR)						CSCI306	Human Computer Interaction	3		
CSCI305	Graduation Project I	1				CSCI401	Software Engineering	3		
CSCI403	Graduation Project II	2		CSCI305		CSCI404	IoT	3		CSCI206
CSCI406	Graduation Project III	3		CSCI403		CYBR102	Cyber Security	3		
Internship (WBT) (3 CR)						CSCI405	Operating Systems	3		CSCI202
CSCI307	Workplace-Based Training (Internship) (270 hours)	3		Completion of 80 CH			Program Core Elective 1**	3		SEE THE ELECTIVE BASKET (1)
							Program Core Elective 2**	3		SEE THE ELECTIVE BASKET (1)
Electives Baskets										
Core Electives Basket - (1) (BSc: 6 CR)										
CSCI601	Professional Ethics in Technology	3								
MANG501	Project Management	3								
CSCI602	Cloud Computing	3								
CSCI603	Quantum Computing	3								
CSCI604	Blockchain Security	3								
CSCI605	Mobile App Development	3								
CSCI606	Computational Biology	3								
CSCI607	Financial Computing	3								
CSCI608	Social Network Analysis	3								
CSCI609	Quantum Mechanics for Scientists and Engineers	3								
CSCI610	Quantum Computing and Quantum Information Science	3								

SIT * (Course Situation) :	☑	Pass
	☒	Fail
	R	Currently Registered
	S	Suggested to Register

Total Credits Hours: BSc: 120 CR		
Total Credits Hours	120	
Completed Credit Hours	0	
Remaining Credit Hours	0	
Expected Graduation: Semester/ Academic Year	-----	-----

NOTES:	
Electives**	To be utilized in taking free elective courses according to the following condition: دراسة المقررات الاختيارية الحرة وفقاً للشروط التالي
1	One course is freely selected from any of the undergraduate courses offered at UKF academic programs. يتم اختيار مقرر واحد بحرية من أي من المقررات الجامعية المقدمة في برامج جامعة خورفكان الأكاديمية

Advisor Name:

Advisor Signature

Students Signature

Date / Time

Wednesday, 19 August 2026
9:30 AM