

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

SPECIALIZATION: CYBER SECURITY

Total Credits Hours = 120 CR

STUDENT NAME: _____ الاسم الطالب/الطالبة: _____					STUDENT ID NUMBER: _____ الرقم الجامعي: _____				
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
ENGL112	English for Academic Purposes	3		IELTS ≥ 5.0 or Equivalent		COMP 101	Programming I	4	
ARTI104	Introduction to AI	3		N/A		COMP 102	Programming II	4	
ENTR101	Entrepreneurship in Technology	3		Completion of 33 CRs		ELDS 103	Fundamentals of Electronics and Digital Systems	3	
EMIR101	Emirates' Studies	3		N/A		MATH 105	Discrete Mathematics	3	
						MATH 106	Calculus	3	
SPECIALIZATION COURSES REQUIREMENTS (18 CR) (Specialization: 18 C.R) = Total 18 C.R						COMP 201	Data Structure	3	
						COMP 202	Computer Org and Assembly Language	3	
CYBR 501	Network Security	3		COMP 205		MATH 205	Linear Algebra	3	
CYBR 202	Digital Forensics	3				COMP 204	Design and Analysis of Algorithms	3	
CYBR 601	Cryptography	3				COMP 205	Computer Networks	3	
CYBR 203	Secure Software Development and Testing	3				COMP 206	Embedded Systems	3	
CYBR 301	Ethical Hacking I	3				COMP 207	Databases	3	
CYBR 401	Ethical Hacking II	3		CYBR 301		MATH 208	Probability & Statistics	3	
						COMP 301	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						MATH 310	Graph Theory	3	
						COMP 303	Computer Architecture	3	
Campus-Based Training (CBT) (3 CR)						COMP 402	Computational Geometry	3	
FCBT101	Fundamentals of IT Support and Hardware CBT	1		N/A		MATH 401	Optimization Techniques	3	
CCBT 201	Information Assurance CBT	1		N/A		RESM 406	Research Methods	1	
CCBT 302	Offensive Security CBT	1		CYBR 501,CYBR 203		HCI 404	Human Computer Interaction	3	
Capstone Project (6 CR)						COMP 502	Software Engineering	3	
COMP 403	Graduation Project I	1		INTN 405		COMP 504	IoT	3	
COMP 503	Graduation Project II	2		COMP 403		CYBR 501	Cyber Security	3	
COMP 603	Graduation Project III	3		COMP 503		COMP 507	Operating Systems	3	
Internship (WBT) (3 CR)						XXXXXX	Program Core Elective 1**	3	
INTN 405	Workplace-Based Training (Internship) (270 hours)	3		Completion of 90 CH		XXXXXX	Program Core Elective 2**	3	
Electives Baskets									
Core Electives Basket - (1) (BSc. 6 CR)									
ETHI 302	Professional Ethics in Technology	3							
MANG 501	Project Management	3							
COMP 604	Cloud Computing	3							
COMP 506	Quantum Computing	3							
COMP 508	Blockchain Security	3							
COMP 605	Mobile App Development	3							
COMP 509	Computational Biology	3							
COMP 601	Financial Computing	3							
COMP 606	Social Network Analysis	3							
COMP 607	Quantum Mechanics for Scientists and Engineers	3							
COMP 608	Quantum Computing and Quantum Information Science	3							

SIT * (Course Situation) :	<input checked="" type="checkbox"/>	Pass
	<input type="checkbox"/>	Fail
	R	Currently Registered
	S	Suggested to Register

NOTES:

Electives**	To be utilized in taking free elective courses according to the following condition: دراسة المقررات الاختيارية الحرة وفقاً للشروط التالية
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 بياج جامعة خورفكان الأكاديمية.

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

Advisor Name: _____

Students Signature: _____

Advisor Signature: _____

Date / Time: _____

Tuesday, 25 November 2025

9:45 AM