

Study Plan for Bachelor's Degree in Cybersecurity Program for year 2021 - 2022

The Bachelor's Degree in Cybersecurity Program awarded at Princess Sumaya University for Technology after the successful completion of 132 Credit Hours distributed as follows:-

University Requirements (27 CHs)

1. Compulsory Requirements (18 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent
11100	Computer Skills (Remedial)	0		
31021	Arabic Language Communication Skills (Remedial)	0		
31022	English Language Communication Skills (Remedial)	0		
31112	Arabic Language Communication Skills	3	31021	
31122	English Language Communication Skills	3	31022	
31151	National Education	3		
31160	Leadership and Societal Responsibility	0		
31251	Military Science	3		
31254	Entrepreneurship and Innovation	3		
31374	Life Skills	3		

2. Elective Requirements (9 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent
20251	History of Science	3		
31100	Sports and Health	3		
31130	Foreign languages	3		
31152	Arabic Islamic Civilization	3		
31211	Arabic Literature	3	31112	
31252	Governance and Development	3		
31260	Human Rights	3		
31261	Introduction to Politics and Economic Science	3		
31264	Introduction To Psychology	3		
31272	Development and Environment	3		
31311	Scientific Research Methods	3		
31351	Contemporary Issues in the Arab World	3		
31352	Jerusalem : History and Facts	3		
31362	Philosophy and Critical Thinking	3		

School Requirements (25 CHs)

1. Compulsory Requirements (25 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent
11102	Introduction to Computer Science	3		
11103	Structured Programming	3	11102	
11151	Structured Programming Lab	1		11103
20132	Calculus (1)	3		



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Table with 5 columns: Course Number, Course Title, Credit Hours, Prerequisite, Concurrent. Rows include Calculus (2), Discrete Mathematics (1), Technical Writing and Communication Skills, Statistical Methods, and Linear Algebra.

Program Requirements (80 CHs)

1. Compulsory Requirements (68 CHs)

Table with 5 columns: Course Number, Course Title, Credit Hours, Prerequisite, Concurrent. Lists 30 compulsory courses including Data Structures and Algorithms for Cybersecurity, Database Systems, Operating Systems, and various Cybersecurity Fundamentals and Network Security courses.

2. Elective Requirements (12 CHs)

Table with 5 columns: Course Number, Course Title, Credit Hours, Prerequisite, Concurrent. Lists one elective course: Security and Privacy of Big data.



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Course Number	Course Title	Credit Hours	Prerequisite	Concurrent
15260	E- Business Security	3	12241	
15362	Biometric Security	3	15110	
15422	Multimedia Security	3	11213	
15423	Cloud Computing Security	3	15321	
15430	Mobile Secure Coding	3	15330	
15431	Web Secure Coding	3	12241	
15432	Advanced System Administration—Windows Linux/UNIX Server	3	11335	
15440	Machine learning and Big Data	3	15330	
15441	Open Source Analysis	3	15330	
15442	Intelligent Threat Detection	3	15330	
15452	Advanced Forensics	3	15450	
15461	Smart Cards/Tokens Security and Applications	3	15110	
15470	Advanced Applied Cryptography	3	15370	
15480	Security Testing Theory and Practice	3	15321	
15481	Electronic Crime for Law Enforcement	3	15233	
15482	System Auditing and Security Polices	3	15233	
15493	Special Topics in Cybersecurity (1)	3		
15494	Special Topic Cybersecurity (2)	3		
15495	Open Innovation for Cyber Security	3		