



Recommended Study Plan for Bachelor's  
Degree in Cybersecurity  
for year 2023-2024

First Year					
First Semester			Second Semester		
Course No.	Course Title	Cr. Hrs.	Course No.	Course Title	Cr. Hrs.
11102	Introduction to Computer Science	3	11103	Structured Programming	3
20132	Calculus (1)	3	11151	Structured Programming Lab	1
20134	Discrete Mathematics (1)	3	15110	Cybersecurity Fundamentals	3
31112	Arabic Language Communication Skills	3	20133	Calculus (2)	3
31122	English Language Communication Skills	3	31251	Military Science	3
31160	Leadership and Societal Responsibility	0		Elective University Requirements	3
		<b>Total</b>			<b>Total</b>
		<b>15</b>			<b>16</b>

Second Year					
First Semester			Second Semester		
Course No.	Course Title	Cr. Hrs.	Course No.	Course Title	Cr. Hrs.
15200	Programming for Security Professionals	3	11213	Data Structures and Algorithms for Cybersecurity	3
15201	Programming for Security Professionals Lab	1	11223	Database Fundamentals	3
15220	Networks Fundamentals	3	15261	Secure Web Design and Development	3
20233	Statistical Methods	3	15262	Secure Web Design and Development Lab	1
20234	Linear Algebra	3	20200	Technical Writing and Communication Skills	3
31151	National Education	3		Elective University Requirements	3
		<b>Total</b>			<b>Total</b>
		<b>16</b>			<b>16</b>

Third Year					
First Semester			Second Semester		
Course No.	Course Title	Cr. Hrs.	Course No.	Course Title	Cr. Hrs.
11335	Operating Systems	3	15321	Network Security and Protocols	3
15310	Cryptography	3	15322	Network Security and Protocols Lab	1
15312	Database Security	3	15361	Secure Systems Development and Design	3
15313	Database Security Lab	1	15381	Infrastructure Security using Linux	3
15350	Artificial Intelligence and Data Analytics	3	15382	Auditing, Policies, Legal, Ethics, Compliance	3
31254	Entrepreneurship and Innovation	3		Elective University Requirements	3
		<b>Total</b>			<b>Total</b>
		<b>16</b>			<b>16</b>

Fourth Year					
First Semester			Second Semester		
Course No.	Course Title	Cr. Hrs.	Course No.	Course Title	Cr. Hrs.
15410	Data Integrity and Authentication	3	15453	Ethical Hacking and Penetration Testing	3
15411	Digital Forensics and Incident Response	3	15483	Information systems risk management	3
15412	Digital Forensics and Incident Response Lab	1	15492	Graduation Project 2	2
15433	Malware Analysis and Reverse Engineering	3	31374	Life Skills	3
15491	Graduation Project1	1		Elective Program Requirements	6
	Elective Program Requirements	6			<b>Total</b>
		<b>Total</b>			<b>17</b>
		<b>17</b>			

First Semester			Second Semester		
Course No.	Course Title	Cr. Hrs.	Course No.	Course Title	Cr. Hrs.
		<b>Total</b>			<b>Total</b>