

الخطة الدراسية لبرنامج (ماجستير العلوم في الأمن السيبراني)

MSc. in Cybersecurity

Thesis Track : (مسار الرسائل)

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours
Level 1	CYBS60101	Fundamental of Cybersecurity	Required	-	3
	CS60103	Advanced Analysis and Design of Algorithms	Required	-	3
Level 2	CYBS60201	Advanced. Programming in Cybersecurity	Required	CS60103	3
	CYBS60102	Intro to Cryptography	Required	-	3
Level 3	CYBS60202	Operating System Security	Required	-	3
	CYBS60203	Network Security	Required	-	3
Level 4	-	Elective I from Group A	Elective	-	3
	-	Elective II from Group B	Elective	-	3
Level 5	CS60301	Research Methods in Computer Science	Required	-	3
Level 6	CYBS6999	Thesis	Required	-	6
Total hours					33



تابع الخطة الدراسية لبرنامج (ماجستير العلوم في الأمن السيبراني)

Project Track : (مسار المشروع البحثي)

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours
Level 1	CYBS60101	Fundamental of Cybersecurity	Required	-	3
	CS60103	Advanced Analysis and Design of Algorithms	Required	-	3
Level 2	CYBS60201	Advanced Programming in Cybersecurity	Required	CS60103	3
	CYBS60102	Intro to Cryptography	Required	-	3
Level 3	CYBS60202	Operating System Security	Required	-	3
	CYBS60203	Network Security	Required	-	3
Level 4	-	Elective I from Group A	Elective	-	3
	-	Elective II from Group B	Elective	-	3
Level 5	CS60301	Research Methods in Computer Science	Required	-	3
	-	Elective III from Group A	Elective	-	3
Level 6	-	Elective IV from Group C	Elective	-	3
	CYBS6555	Research Project	Required	-	3
Total hours					36



Elective Course: (المقررات الاختيارية)

No.	Course Name	Course Code	Pre-Requisite Courses	Credit Hours
Group A				
1	Digital Forensics	CYBS60312	-	3
2	Malware Analysis and Engineering	CYBS60308	CYBS60201	3
3	Machine Learning In Cybersecurity	CYBS60305	-	3
4	Network Forensics	CYBS60306	-	3
5	Selected Topics in Cybersecurity	CYBS60315	-	3
Group B				
6	Database Security	CYBS60302	None	3
7	Wireless And Mobile Security	CYBS60307	CYBS60203	3
8	Software Security	CYBS60303	-	3
9	Blockchain Technology	CYBS60309	-	3
10	Distributed Systems Security	CYBS60304	-	3
Group C				
9	Cybersecurity Governance and Compliance	CYBS60310	-	3
10	Risk Management in Cybersecurity	CYBS60311	-	3
11	Privacy and Data Protection	CYBS60313	CYBS60102	3
12	Cybersecurity Auditing	CYBS60314	-	3

