



Cybersecurity and Cloud Computing Advising Plan 2021 - 2022

First Year / First Semester				Academic year: 2021 - 2022 First			
Subject Number	Subject Title	Credit Hours			Prerequisites	Academic Advising	
		Theory	Lab	Total		Registered At	Status
1401124	Communication skills (English)**	3	0	3	-		
1301106	Structured Programming	2	2	3	-		
1301111	Discrete Structures (1)	3	0	3	-		
1501110	Calculus (1)	3	0	3	-		
-	University Elective	3	0	3	-		
Total		14	2	15			

First Year / Second Semester				Academic year: 2021 - 2022 Second			
Subject Number	Subject Title	Credit Hours			Prerequisites	Academic Advising	
		Theory	Lab	Total		Registered At	Status
1401150	National Education	3	0	3	-		
1301108	Object-Oriented Programming (1)	2	2	3	1301106		
1301150	Linear Algebra	3	0	3	1501110		
1501212	Probability and Statistics	3	0	3	1501110		
1305101	Introduction to Cybersecurity	3	0	3	-		
Total		14	2	15			

Second Year / First Semester				Academic year: 2022 - 2023 First			
Subject Number	Subject Title	Credit Hours			Prerequisites	Academic Advising	
		Theory	Lab	Total		Registered At	Status
1401123	Communication skills (Arabic)**	3	0	3	-		
1301203	Data Structures and Algorithms	2	2	3	1301108+1301111		
1301266	Technical Writing and Communication Skills	3	0	3	1401120		
1301336	Data Communications and Computer Networks	3	0	3	1305101		
1305202	Ethical and Professional Issues in Computing	3	0	3	1305101		
1301236	Web-Based Programming	2	2	3	1301108		
Total		16	4	18			

Second Year / Second Semester				Academic year: 2022 - 2023 Second			
Subject Number	Subject Title	Credit Hours			Prerequisites	Academic Advising	
		Theory	Lab	Total		Registered At	Status
1001103	Military Sciences*	3	0	3	-		
1305211	Principles of Cloud Computing	3	0	3	1301336		
1305212	Network Security	2	2	3	1301336		
1301270	Numerical Analysis	3	0	3	1501110		
1305213	Cybersecurity Programming	2	2	3	1301203		
1301305	Database and Application of Database	2	2	3	1301203		
Total		15	6	18			

Third Year / First Semester				Academic year: 2023 - 2024 First			
Subject Number	Subject Title	Credit Hours			Prerequisites	Academic Advising	
		Theory	Lab	Total		Registered At	Status
1301326	Operating Systems	3	0	3	1301203		
1305301	Secure Communication Protocols	2	2	3	1305212		
1305302	Advanced Cloud Computing	3	0	3	1305211		
1302384	Software Analysis and Design	3	0	3	1301203		
-	Specialization Elective	3	0	3	-		
1401146/47/48	Entrepreneurship/Leadership/ Life skills	3	0	3	-		
Total		17	2	18			

Third Year / Second Semester				Academic year: 2023 - 2024 Second			
Subject Number	Subject Title	Credit Hours			Prerequisites	Academic Advising	
		Theory	Lab	Total		Registered At	Status
1305311	Infrastructure Security Using Linux	2	2	3	1301326		
1305312	Data and Software Security	3	0	3	1305213		
1305313	Encryption Theory	3	0	3	1305213		
1305314	Digital Forensic	2	2	3	1305212		
1305315	Cloud Computing Security	2	2	3	1305302		
-	University Elective	3	0	3	-		
Total		15	6	18			

1301368	Field Training	0	0	0	Pass. 90Cr. Hrs.	During summer semester of third year
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Fourth Year / First Semester				Academic year: 2024 - 2025 First			
Subject Number	Subject Title	Credit Hours			Prerequisites	Academic Advising	
		Theory	Lab	Total		Registered At	Status
1305491	Graduation Project (1)	0	2	1	Pass. 90 Cr. Hrs. + 1302384		
1305401	Penetration Testing	2	2	3	1305313		
1305402	Data Integrity and authentication	3	0	3	1301305		
1301341	Artificial Intelligence	2	2	3	1301203		
1302338	Advanced Internet Computing	2	2	3	1301305+1301236		
-	Specialization Elective	3	0	3	-		
Total		12	8	16			

Fourth Year / Second Semester				Academic year: 2024 - 2025 Second			
Subject Number	Subject Title	Credit Hours			Prerequisites	Academic Advising	
		Theory	Lab	Total		Registered At	Status
1305492	Graduation Project (2)	0	4	2	1305491		
1305403	Data Analytics in Cloud Computing and Cybersec	2	2	3	1501212+1305302		
1401116	Islamic Education	3	0	3	-		
-	Specialization Elective	3	0	3	-		
-	Free Elective	3	0	3	-		
Total		11	6	14			

Ⓞ Concurrent Updated: 1/08/2017

Total Credit Hours 132

⊛ This course was taken according to the advising plan. ▶ This course was taken in a later semester ◀ This course was taken in a semester before. ↔ This course was replaced with a compensated course (معووضة). = This course was replaced with an equivalent course (معدلة). ※ This course was replaced with an alternative course (بديلة). † This course was replaced with an analogous course (مكافئة). !! This course was violating the advising plan.