

**Academic Guidance Plan
2021/2022
Information and Cyber Security Department**

Year	Semester	Module Number	Module Title	Prerequisites	
First	First (16 Credit Hours)	0750113	Programming Fundamentals (1)	-----	(FR)
		0731110	Introduction to Information Systems and Technology	-----	FR
		0111101	National Education		UR
		0750120	Discrete Mathematics	0750099	SR
		0130107	Communication skills (English 1)	0130099	UR
		0330103	Leadership and innovation	-----	UR
	Second (15 Credit Hours)	0250101	Calculus (1)	-----	SR
		0790110	Information Security Fundamentals	-----	DR
		0750114	Programming Fundamentals (2)	0750113	FR
		0130108	Communication skills (English 2)	0130107	UR
		0114103	Communication skill (Arabic language)	0114099	UR
		0115102	Leadership and social responsibility	-----	UR
Second	First (18 Credit Hours)	0790211	Principles of Cryptography	0750120	DR
		0721223	Object-Oriented Programming	0750114	FR
		0731213	Introduction to Web Programming	0750113	FR
		0731340	Computer Networks Fundamentals	0790110	SR
		0250241	Linear Algebra (1)	0250101	SR
		-----	University Elective (1)	-----	----
	Second (15 Credit Hours)	0721224	Data Structures	0721223	SR
		0731221	Database Fundamentals	0721223	SR
		0750215	Visual Programming	0721223	FR
		0250231	Introduction to Statistics and Probabilities	-----	SR
		0790220	Programming Language in Information Security		DR
		0721250	Computing Ethics and technical writing	0750114	FR
Third	First (18 Credit Hours)	0721345	Mobile computing technology	0731213	FR
		0790312	Database Administration Security	0721223	DR
		0750323	Algorithms	0721224	SR
		0731321	Systems Analysis and Design	0731221	SR
		0790321	Cyber Crimes and Networks	0790220	DR
		-----	University Elective (2)	-----	UR
	Second (15 Credit Hours)	0790324	Information Security Protocols	0731340	DR
		0790323	Linux Operating Systems	0731340	DR
		0790322	Wireless Computer Networks	0731340	DR
		0790325	Forensic and Investigations	0731340	DR
		-----	Department Elective (1)	-----	DR
		0790330	Practical Training	90 hours	DR
Fourth	First (16 Credit Hours)	0790420	Network Operating Systems	0790323	DR
		-----	University Elective (3)	-----	UR
		0790421	Networks Surveillance and Documentations	0790324	DR
		0790422	Networks Security	0790324	DR
		0790440	Research Project 1	90 hours	DR
		-----	Department Elective (2)	-----	DR
		0170101	Life Skills	-----	UR

	Second (12 Credit Hours)	0111100	Military Sciences (Or UE Non-Jordanians Students)	-----	UR
			Department Elective (3)	-----	DR
		0790423	Information Security Risks Management	0790422	DR
		0790441	Research project 2	0790440	DR