

Four Year Advisory Plan (2019-2020) for NIS Students

Faculty: Information Technology

Department: Networks and Information Security

1 st Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0311201	Introduction to Information Technology *	3	A0331700*
A0111101	Mathematics (1)	3	-
A0311101	Discrete Mathematics	3	-
A0161101	Arabic Communication Skills	3	A0161100
A0161201	English Communication Skills	3	A0161200
Total: 15			

1 st Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0311202	Introduction to Programming [Ⓜ]	3	A0311201
A0311203	Introduction to Programming Lab	1	A0311202*
A0341301	Networks and Information Security Essentials	3	A0311201
A0311301	Digital Logic Design	3	A0311101
A0111103	Statistics and Probability	3	A0111101
A0161301	National Education	3	-
Total: 16			

2 nd Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0342301	Computer Networks [Ⓜ]	3	A0341301
A0342302	Computer Networks Lab *	1	A0342301*
A0312201	Object Oriented Programming	3	A0311202
A0312202	Object Oriented Programming Lab *	1	A0312201*
A0112101	Linear Algebra	3	A0111101
	University Elective Requirement 1	3	-
	University Elective Requirement 2	3	-
Total: 17			

2 nd Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0342303	Cybersecurity	3	A0342301
A0342401	Advanced Internet Protocols	3	A0342301
A0342402	Wireless Networks and security	3	A0342301
A0342403	Wireless Networks and security Lab *	1	A0342402*
A0312401	Fundamentals of Databases	3	A0311202
A0312402	Fundamentals of Databases Lab *	1	A0312401*
	Major Elective Requirement 1	3	-
Total: 17			

3 rd Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0343402	Networks Servers and Services Administration	3	A0342301
A0343501	Networks Security	3	A0342303
A0343502	Networks Security Lab *	1	A0343501*
A0343401	Networks Management and Monitoring	3	A0342301
A0343301	Cloud Computing and Security	3	A0342301
A0343403	Networks Protocols	3	A0342301
A0343404	Networks Protocols Lab *	1	A0343403*
Total: 17			

3 rd Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0343504	Ethical Hacking	3	A0342303
A0312101	Data Structures*	3	A0312201
A0343405	Computer Networks Design	3	A0342301
A0343503	Encryption Theory	3	A0342303
A0313201	Internet Applications Development (1)	3	A0312401
A0313202	Internet Applications Development (1) Lab *	1	A0313201*
Total: 16			

4 th Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0344602	Graduation Project (1)	1	Pass 90 Cr. Hrs.
A0344501	Digital Forensics	3	A0342303
A0312403	Systems Analysis and Design	3	A0312401
A0312203	Visual Programming	3	A0312201
A0314501	Ethical and Professional Issues in Computing	1	Pass 80 Cr. Hrs.
	Major Elective Requirement 2	3	-
	University Elective Requirement 3	3	-
Total: 17			

4 th Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0344603	Graduation Project (2) *	2	A0344602*
A0344401	Networks Programming	3	A0342301 + A0312201
A0161401	Military Sciences	3	-
A0313301	Operating Systems	3	A0342301
A0344601	Practical Training	0	Pass 90 Cr. Hrs
	Major Elective Requirement 3	3	-
	University Elective Requirement 4	3	-
Total: 17			

[Ⓜ] This course must be successfully passed in order to advance to any of the succeeding courses

* Concurrent Requirement