

Faculty of Information Technology Study Plan Form

Cyber Security

Number of Credit Hours: 135

First: University Compulsory Requirements – (12) Credit Hours:

C #	Course Title	Hrs	Pre.
01101101	Military Sciences	3	For jordinain
01101102	National Education	3	For jordinain
01101111	Arabic Language	3	01100011
01101112	English Language	3	01100012

Second: University Selective Requirements - (12) Credit Hours:

C #	Course Title	Hrs	Pre.
01101103	Traffic awareness	3	-
01101104	Leadership and creativity	3	-
01101121	Life skills	3	-
01101131	Islamic Culture	3	-
01101132	Jerusalem and the Hashemite Trusteeship	3	-
01101141	Sports and Health	3	-
01101142	Environment and society	3	-
01101151	Computer Skills	3	01100051
01101161	Economic concepts and systems	3	-
01101171	Psychology and Society	3	-
01101152	Communication and Internet	3	-
01101213	Communication skills in Arabic language	3	01101111
01101214	Communication skills in English language	3	01101112
01101243	Public safety and first aid	3	-
01101281	Scientific Research Methods	3	-
01101282	Introduction to Astronomy	3	-
03011101	Law in our Life	3	-
03021201	Human Rights	3	-

Third: Faculty Requirements - (21) Credit Hours:

C #	Course Title	Hrs	Pre.
11021101	General Physics 1	3	--
11031101	Calculus (1)	3	--
06051110	Programming methodology	3	--
06051200	Discrete Mathematics	3	--
06051220	Logic design	3	11021101
06051211	Programming Fundamentals	3	06051110
06032102	Data structures	3	06051211

*None Jordanian students can enroll in this course or choose any *

.other university course

Students must take pre-courses in the case of failure in the **

:following Pre-exams

.(Pre-Arabic Language (01100011)

(Pre-English Language (01100012)

(Pre-Computer Skills (01100051)

Fourth: Department Requirements – (8٧) Credit Hours, distributed as the following:

A. Compulsory Requirements(72) Credit Hours:

C #	Course Title	Hrs	Pre.
06012232	Information systems analysis and design	3	06032112
06042150	Introduction to Cyber Security	3	11031230
06032112	Object Oriented Paradigms	3	06051211
06012201	Algorithms	3	06032102
06082140	Computer Networks	3	06051220
06013130	Databases	3	06012201
06033113	Visual programming	3	06032112
06013214	Web Design (1)	3	06032112
06013231	Database management systems	3	06013130
06044251	Computer Forensic Analysis and Investigation	3	06043256
06044152	Cloud computing security	3	06082140
06043253	Risk Management Security	3	06042150
06043254	Information security protocols	3	06042150
06042255	Network operating systems / Linux	3	06082140
06043256	Network security	3	06042150
06043257	Intrusion detection systems	3	06042261
06044158	Ethical Hacking	3	06042150
06043141	Wireless Computer Networks	3	06082140
06043259	Smart phone security	3	06033113
06044160	Privacy Aware Computing	3	06043257
06042261	Network monitoring and Documentation	3	06082140
06043162	Network and Server Programming	3	06082140
06044190	Practical training for Cyber Security students	3	Pass90 hours
06044293	Graduation project for Cyber Security students	3	Pass90 hours

B. Selective Requirements: (9) Credit Hours:

C #	Course Title	Hrs	Pre.
06043270	Security of Network and Server Programming	3	06043162
06044271	Security of Auditing		
06043272	Internet of things Security	3	06013214
06024115	Web Design 2	3	06013214
06043273	Advanced Programming	3	06053113
06043274	Web Security	3	06013214
06043275	Advanced of Cryptography	3	06043150
06044276	Cyber Crimes	3	06044152
06044277	Ethics and Law of Cyber Security	3	06044158
06014171	Selected Topics 1 of CyberSecurity	٣	Department's approval
06014272	Selected Topics 2 of Cyber Security	٣	Department's approval

C. Supportive Requirements (12) Credit Hours:

C #	Course Title	Hrs	Pre.
11031230	Statistics and Probabilities	3	11031101
06052253	Numerical analysis	3	11031101

Fifth: Free subject: (3) Credit Hours chosen from the courses offered by the University.