

**Faculty of Information Technology Study Plan Form**  
**Information Security and Cyber Space**  
**Number of Credit Hours: 135**

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

C #	Course Title	Hrs	Learnin Type
01101101	Military Sciences	3	Face to Face
01101102	National Education	3	Online
01101105	Volunteer Work	0	Face to Face
01101111	Arabic Language	3	Online
01101112	English Language	3	Online

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

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

**Third: Faculty Requirements - (21) Credit Hours:**

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

<b>The number of hours taught ONLINE</b>	<b>27</b>	<b>20%</b>
<b>The number of hours taught HYBRID</b>	<b>48</b>	<b>36%</b>
<b>The number of hours taught FACE TO FACE</b>	<b>60</b>	<b>44%</b>
<b>Total</b>	<b>135</b>	<b>100%</b>

\*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 – (87) Credit Hours, distributed as the following:**

**A. Compulsory Requirements(72) Credit Hours:**

C #	Course Title	Hrs	Pre.	Learnin Type
06052232	Information systems analysis and design	3	06032112	Online
06043150	Introduction to Information Security	3	11031101	Face to Face
06052112	Object Oriented Paradigms	3	06051211	Hybrid
06052201	Algorithms	3	06032102	Hybrid
06052140	Computer Networks	3	06051220	Face to Face
06053130	Databases	3	06012201	Hybrid
06053113	Visual programming	3	06032112	Face to Face
06053214	Web Design (1)	3	06032112	Hybrid
06013231	Database management systems	3	06013130	Face to Face
06044251	Computer Forensic Analysis and Investigation	3	06043256	Hybrid
06044152	Cloud computing security	3	06043141	Online
06043253	Risk Management Security	3	06043150	Hybrid
06043254	Information security protocols	3	06043150	Face to Face
06042255	Network operating systems / Linux	3	06082140	Face to Face
06043256	Network security	3	06042255	Hybrid
06043257	Intrusion detection systems	3	06043150	Online
06044158	Ethical Hacking	3	06043257	Face to Face
06083141	Wireless Computer Networks	3	06082140	Face to Face
06043259	Smart phone security	3	06033113	Hybrid
06044160	Privacy Aware Computing	3	06043256	Face to Face
06082261	Network monitoring and Documentation	3	06082140	Face to Face
06043162	Network and Server Programming	3	06082140	Face to Face
06044190	Practical training for Cyber Security students	3	Pass90 hours	Face to Face
06044293	Graduation project for Cyber Security students	3	Pass90 hours	Face to Face

**B. Selective Requirements: (9) Credit Hours:**

C #	Course Title	Hrs	Pre.	Learnin Type
06083270	Security of Network and Server Programming	3	06043162	Face to Face
06044271	Security of Auditing		06044251	Face to Face
06043272	Internet of things Security	3	06013214	Face to Face
06014115	Web Design 2	3	06013214	Face to Face
06043273	Advanced Programming	3	06033113	Face to Face
06043274	Web Security	3	06013214	Face to Face
06043275	Advanced of Cryptography	3	06043150	Face to Face
06044276	Cyber Crimes	3	06044152	Face to Face
06044277	Ethics and Law of Cyber Security	3	06044158	Face to Face
06014171	Selected Topics 1 of CyberSecurity	3	Department's approval	Face to Face
06014272	Selected Topics 2 of Cyber Security	3	Department's approval	Face to Face

**C. Supportive Requirements (12) Credit Hours:**

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

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