

**Faculty of Information Technology Study Plan Form**  
**Software Engineering 2023-2024**  
**Number of Credit Hours: 135**

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

C #	Course Title	Hrs	Pre.	Learning Type
01101101	Military Sciences	3	For jordinain	Face to Face
01101102	National Educatio	3	For jordinain	Online
01101105	Volunteer Work	0		Face to Face
01101111	Arabic Language	3	01100011	Online
01101112	English Language	3	01100012	Hybrid

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

C #	Course Title	Hrs	Pre.	Learning Type
01101103	Traffic awareness	3	-	Online
01101104	Leadership and creativity	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
01101161	Economic concepts and systems	3	-	Online
01101171	Psychology and Society	3	-	Online
01101152	Communication and Internet	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

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

C #	Course Title	Hrs	Pre.	Learning 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
06052102	Data Structures	3	06051211	Hybrid

The number of hours taught Online	27	20%
The number of hours taught hybrid	51	36%
The number of hours taught Face to Face	57	44%
Sum	135	100%

\* 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.	Learning Type
06052112	Object Oriented Paradigm	3	06051211	Hybrid
06052122	Computer Architecture	3	06051220	Hybrid
06052201	Algorithms	3	06052102	Hybrid
06052232	Information systems analysis and design	3	06052112	Online
06052140	Computer Networks	3	06051220	Face to Face
06053113	Visual Programming	3	06052112	Face to Face
06053130	Databases	3	06052201	Hybrid
06013231	Database Systems Management	3	06013130	Face to Face
06053214	Web Design (1)	3	06052112	Hybrid
06014115	Web Design (2)	3	06013214	Face to Face
06053223	Operating System	3	06052122	Online
06032250	Fundamental Software Engineering	3	06052112	Face to Face
06033151	Software Requirements Engineering	3	06032250	Hybrid
06033252	Software Design	3	06033151	Face to Face
06033253	Object Oriented Software Engineering	3	06033151	Face to Face
06033260	Software Engineering Tools	3	06032250	Hybrid
06034154	Web Engineering	3	06032250	Face to Face
06034155	Software Quality	3	06033252	Face to Face
06034156	Software Documentation	3	06033252	Online
06034157	Software Testing	3	06033253	Hybrid
06034259	Software Projects Management	3	06032250	Face to Face
06034258	Software Maintenance and Reverse Engineering	3	06034157	Hybrid
06034190	Practical Training For SE	3	Pass 90 hrs	Face to Face
06034201	Graduation Project for SE	3	Pass 90 hrs	Hybrid

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

C #	Course Title	Hrs	Pre.	Learning Type
06022173	Multimedia Systems	3	-	Face to Face
06042150	Information Systems	3	11031230	Face to Face
06033172	Programming Mathematics	3	06052112	Face to Face
06013176	Artificial intelligence	3	06012201	Face to Face
06043273	Advanced Programming	3	06053113	Face to Face
06033274	Human Computer Interface	3	06053113	Face to Face
06013256	Smart Phones Programming	3	06053113	Face to Face
06014155	Distributed Systems	3	06013130	Face to Face
06014157	Electronic Transaction	3	06053214	Face to Face
06034280	Software Error Tolerance	3	06033252	Face to Face
06014171	Selected Topics (1)	3	Dept. A	Face to Face
06014272	Selected Topics (2)	3	Dept. A	Face to Face

**C. Supportive Requirements (6) Credit Hours:**

C #	Course Title	Hrs	Pre.	Learning Type
11031111	Statistics and Probabilities	3	11031101	Face to Face
06052253	Numeric Analysis	3	11031101	Hybrid

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