

**Faculty of Information Technology Study Plan Form**  
**Software Engineering 2019/2020**  
**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 – (87) 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
06013231	Database Systems Management	3	06013130
06032112	Object Oriented Paradigm	3	06051211
06012201	Algorithms	3	06032102
06032122	Computer Architecture	3	06051220
06033113	Visual Programming	3	06032112
06013214	Web Design (1)	3	06032112
06013130	Databases	3	06012201
06083223	Operating Systems	3	06032122
06014115	Web Design (2)	3	06013214
06082140	Computer Networks	3	06051220
06032250	Fundamental Software Engineering	3	06032112
06033253	Object Oriented Software Engineering	3	06033151
06033151	Software Requirements Engineering	3	06032250
06034154	Web Engineering	3	06032250
06033252	Software Design	3	06033151
06034157	Software Testing	3	06033253
06034156	Software Documentation	3	06033252
06034155	Software Quality	3	06033252
06034258	Software Maintenance and Reverse Engineering	3	06034157
06034259	Software Projects Management	3	06032250
06034190	Practical Training for SE	3	Pass 90 hrs.
06034291	Graduation project for SE	3	Pass 90 hrs.
06033260	Software Engineering Tools	3	06032250

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

C #	Course Title	Hrs	Pre.
06042150	Information Security	3	11031230
06014155	Distributed Systems	3	06013130
06014157	Electronic Transactions	3	06013214
06022173	Multimedia Systems	3	-
06033274	Human Computer Interface	3	06033113
06034280	Software Errors Tolerance	3	06033252
06014171	Selected Topics (1)	3	Dept. Approval
06014272	Selected Topics (2)	3	Dept. Approval
06033172	Programming Mathematics	3	06032112
06043273	Advanced Programming	3	06033113
06013176	Artificial intelligence	3	06012201
06013256	Smart Phones Programming	3	06033113

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

C #	Course Title	Hrs	Pre.
11031230	Statistics and Probabilities	3	11031101
06052253	Numeric Analysis	3	11031101

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