

Faculty of Information Technology Study Plan Form
Software Engineering
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.
06032250	Information Systems Analysis and Design	3	06032250
06032251	Database Systems Management	3	06032250
06032252	Object Oriented Paradigm	3	06032250
06032253	Algorithms	3	06032250
06032254	Computer Architecture	3	06032250
06032255	Visual Programming	3	06032250
06032256	Web Design (1)	3	06032250
06032257	Databases	3	06032250
06032258	Operating Systems	3	06032250
06032259	Web Design (2)	3	06032250
06032260	Computer Networks	3	06032250
06032250	Fundamental Software Engineering	3	06032250
06032253	Object Oriented Software Engineering	3	06032250
06032251	Software Requirements Engineering	3	06032250
06032254	Web Engineering	3	06032250
06032252	Software Design	3	06032250
06032257	Software Testing	3	06032250
06032256	Software Documentation	3	06032250
06032255	Software Quality	3	06032250
06032258	Software Maintenance and Reverse Engineering	3	06032250
06032259	Software Projects Management	3	06032250
06032250	Practical Training for SE	3	Pass 90 hrs.
06032253	Graduation project for SE	3	Pass 90 hrs.
06032260	Software Engineering Tools	3	06032250

B. Selective Requirements: (9) Credit Hours:

C #	Course Title	Hrs	Pre.
06032250	Information Security	3	06032250
06032251	Distributed Systems	3	06032250
06032252	Electronic Transactions	3	06032250
06032253	Multimedia Systems	3	-
06032254	Human Computer Interface	3	06032250
06032255	Software Errors Tolerance	3	06032250
06032256	Selected Topics (1)	3	Dept. Approval
06032257	Selected Topics (2)	3	Dept. Approval
06032258	Programming Mathematics	3	06032250
06032259	Advanced Programming	3	06032250
06032250	Artificial intelligence	3	06032250
06032253	Smart Phones Programming	3	06032250

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.