



Philadelphia University

Guidance Plan for Bachelor Degree in
Software Engineering



Software Engineering Department

Faculty of Information Technology

(132 Credit Hours)

2021-2022

First Semester				Second Semester				Year
Course No.	Course Name	Pre-Requisite	Type	Course No.	Course Name	Pre-Requisite	Type	
0114103	Communication Skills (Arabic Language)	----	University	0130108	Communication Skills (English 2)	0130107	University	(1)
0130107	Communication Skills (English 1)	----	University	---	University elective (1)	---	University	
0111101	National Education	----	University	0330103	Leadership and Innovation	---	University	
0750113	Programming Fundamentals (1)	----	Faculty	0115102	Leadership and Social Responsibility	---	University	
0731110	Introduction to Information Systems and Technology	----	Faculty	0170101	Life Skills	---	University	
0250101	Differentiation and Integration (1)	----	Supplementary	0750114	Programming Fundamentals (2)	0750113	Faculty	
				0721111	Software Engineering Fundamentals	0731110	Department	
				0750120	Discrete Mathematics	---	Supplementary	
18 credit hours				18 credit hours				
0721223	Object Oriented Programming	0750114	Faculty	0721222	Software Modelling	0721111	Department	(2)
0721230	Software Requirements	0721111	Department	0721224	Data Structures	0721223	Department	
0250231	Introduction to Statistics and Probabilities	---	Supplementary	----	University elective(2)	----	University	
0750230	Digital Logic Design	0731110	Supplementary	0750215	Visual Programming	0721223	Faculty	
0731213	Introduction to Web Programming	0750113	Faculty	0731221	Database Fundamentals	0721223	Supplementary	
0250241	Linear Algebra(1)	0250101	University	0721250	Computing Ethics and Technical Writing	0750114	Faculty	
18 credit hours				18 credit hours				
0721320	Software Architecture	0721222	Department	0731340	Fundamentals of Computer Networks	0721224	Supplementary	(3)
0721345	Mobile Computing Technology	0731213	Faculty	0721331	Software Project Management	0721322	Department	
0721350	Computer Organization and Architecture	0750230	Department	0750323	Algorithms	0721224	Supplementary	
0721322	System Analysis and Design	0721230	Department	0750335	Operating Systems	0721350	Supplementary	
0721351	Database Management	0731221	Department	----	University elective(3)	----	University	
----	Department Elective (1)	----	Department					
18 credit hours				15 credit hours				
0721425	Software Development and Documentation	0721322	Department	0721410	Secure Software Construction	0721425	Department	(4)
0721433	Software Testing	0721322	Department	0721423	Department Elective (2)	----	Department	
0721422	Web Software Engineering	0731213	Department	0721449	Research Project (2)	0721448	Department	
0721438	Practical Training	90 ساعة	Department	----	Department Elective (3)	----	Department	
0721448	Research Project (1)	90 ساعة	Department	0111100	Military Sciences (or University Elective for non-Jordanian)	----	University	
13 credit hours				14 credit hours				



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كلية تكنولوجيا المعلومات

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