

The Hashemite University
Prince Al-Hussein bin Abdullah II Faculty for Information Technology
Department of Software Engineering
B.Sc. Software Engineering - Advisory Plan 2020

First Year			
First Semester			
Course Code	Course Title	redit Hour	Prerequisites
1910011100	Introduction to Programming	3	-
191001101	Introduction to Programming Lab	1	w.1910011100
110101152	Discrete Mathematics	3	-
110108101	(1) Calculus	3	-
2116011101	Arabic Communication Skills	3	121601099
2116021101	English Communication Skills	3	121602099
	Total	16	

Second Semester			
Course Code	Course Title	redit Hour	Prerequisites
1910011123	Digital Logic Design	3	110101152
110108103	Principles of Statistics	3	-
1910011110	Object Oriented (1)	3	191001101
1910011111	Object Oriented Lab (1)	1	w.1910011110
110101241	(1) Linear Algebra	3	
2114041125	Life Skills	2	
	University Elective 1	3	
	Total	18	

Second Year			
First Semester			
Course Code	Course Title	redit Hour	Prerequisites
1910011250	Data Structures	3	1910011111
2010031260	Fundamentals of Software Engineering	3	1910011110
2010031273	Advanced Object–Oriented	3	1910011110
110101408	Numerical Methods	3	111001110 &
1714041118	National Education	3	-
	University Elective 2	3	
	Total	18	

Second Semester			
Course Code	Course Title	redit Hour	Prerequisites
2010031274	Visual Programming for Software	3	1910011110
1910011351	Algorithms	3	1910011250
151002240	Introduction to Database Systems	3	1910011250
151002241	Introduction to Database Systems Lab	1	w.151002240
2010031221	Object Oriented Software Development	3	2010031260
2010031272	Computer Organization	3	1910011123
2114041123	Leadership and Social Responsibility	2	
	Total	18	

Third Year			
First Semester			
Course Code	Course Title	redit Hour	Prerequisites
2010031375	Web Applications Programming and	3	2010031260
2010031323	Software Requirements Engineering	3	2010031221
2010031332	Software Design	3	2010031221
2010031352	Software Systems Analysis and Design	3	151002240
	Specialization Elective 1	3	
	Total	15	

Second Semester			
Course Code	Course Title	redit Hour	Prerequisites
2010031410	Software Testing	3	2010031221
2010031320	Software Documentation	3	2010031221
2010031436	Software Project Management	3	2010031260
1910011431	Operating Systems	3	1910011123
	Specialization Elective 2	3	
	University Elective 3	3	
	Total	18	

Fourth Year			
First Semester			
Course Code	Course Title	redit Hour	Prerequisites
1910011320	Computer Networks	3	1910011123
2010031353	Software Ethics and Security	3	2010031260
2010031440	Software Quality Assurance	3	2010031332
2010031469	Graduation Project (1)	3	80 C. H.
	Specialization Elective 3	3	
	Total	15	

Second Semester			
Course Code	Course Title	redit Hour	Prerequisites
2010031499	Graduation Project (2)	3	2010031469
	Specialization Elective 4	3	
2214041117	Military Science	3	-
2210041132	Entrepreneurship and Innovation	2	
	Total	11	

2010031498	Practical Training	3	80 C.H.
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المجموع	132
18	University Compulsory
9	University Elective
22	Faculty Compulsory
71	Specialization Compulsory
12	Specialization Elective