

Prince Alhussein Bin Abdullah The Second For Information Technology
Software Engineering (Swe)

Study Program : Bachelor
Study Plan Type : Major
Academic Year : 2022

The requirements to obtain a Bachelor degree is :-

*** The minimum requirements to get a Bachelor degree in / Software Engineering (Swe) / is to pass 132 credit hours, according to this study plan.**

*** The credit hours are distributed to get a Bachelor degree as follows :-**

Number of credit hours	
University Requirements	27.000
Compulsory	18.000
Elective	9.000
Faculty Requirements	22.000
Compulsory	22.000
Specialization Requirments	83.000
Compulsory	71.000
Elective	12.000
Pre-requist Courses	0.000
	0.000
Total :	132.000

University Requirements Credit Hours : 27
Requirement type : Compulsory Credit Hours :18

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
2116011101	Arabic Communication Skills	3.000	3.000	0.000	121601099	online learning
2116021101	English Communication Skills	3.000	3.000	0.000	121602099	online learning
2214041117	Military Science	3.000	3.000			online learning
1714041118	National Education	3.000	3.000	0.000		online learning
2114041123	Leadership and Social Responsibility	2.000	2.000	0.000		online learning
2114041125	Life Skills	2.000	2.000	0.000		online learning
2210041132	enterepreurship and innovation	2.000	2.000	0.000		online learning

University Requirements Credit Hours : 27
Requirement type : Elective Credit Hours :9

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
1804001128	Cyber Hygiene	3.000	3.000	0.000	110108099	in class
2210031100	digital culture	3.000	3.000	0.000		
1916033201	Italian Language (2)	3.000	3.000	0.000	1716031101	in class
1916034101	Russian Language (1)	3.000	3.000	0.000		online learning
1916034102	Russian Language (2)	3.000	3.000	0.000		
1916034201	Japanese (2)	3.000	3.000	0.000	1716031102	in class
1916035101	Turkish Language (1)	3.000	3.000	0.000		in class
1916036101	Korean Language (1)	3.000	3.000	0.000		in class
1916036102	Korean Language(2)	3.000	3.000	0.000	1916036101	
1916037101	German Language (1)	3.000	3.000	0.000		in class
1916038101	Chinese Language (1)	3.000	3.000			online learning
1916039101	Polish Language (1)	3.000	3.000	0.000		in class
1714041101	University Life of Student	3.000	3.000			online learning
1714041102	Introduction to Psychcology	3.000	3.000			online learning
1714041104	Family and Child Education	3.000	3.000			online learning
1714041107	Citizenship and Human Rights	3.000	3.000			in class
1714041110	Islam Current Issues	3.000	3.000			in class
1714041111	Islamic Thought	3.000	3.000			online learning
1714041112	Jerusalem : Histroy and Civilization	3.000	3.000			in class
1714041113	Citizenship and Human Rights	3.000	3.000	0.000		online learning
1714041114	Histroy and Civilization of Jordan	3.000	3.000			online learning
1714041115	Sociology	3.000	3.000			in class
1714041116	Archaeology and Tourism	3.000	3.000			online learning
1714041120	Economic and Management Science	3.000	3.000			

University Requirements Credit Hours : 27
Requirement type : Elective Credit Hours :9

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
1714041121	Law and Ordering of Our Life	3.000	3.000			online learning
1714041122	Principles of Sign Language	3.000	3.000			in class
1714041126	Humanistic Moral and Values Education	3.000	3.000			online learning
1714041127	Conflict Resolution and Accept Others	3.000	3.000			online learning
1714041128	Culutural Heritage in Jordan	3.000	3.000			
1914041130	Integrity Transperancy and anti - Corruption	3.000	3.000	0.000		online learning
1714041193	Palestinian Cause	3.000	3.000			in class
1714041194	Arabic Language and Current Issues	3.000	3.000			online learning
1814041195	Disability and Healthy Community	3.000	3.000			online learning
1814041197	Selected Topics in National Trends	3.000	3.000			
1814041198	Education for Sustainable Development	3.000	3.000			online learning
1814041199	Adjustment and Mental Health	3.000	3.000			online learning
1814041200	Introduction to Education	3.000	3.000			online learning
1914042111	Media Education	3.000	3.000	0.000		online learning
2101081139	Physical Culture	3.000	3.000	0.000		online learning
2201081140	Development and Environment	3.000	3.000	0.000		online learning
0110108104	Energy and its Sources	3.000	3.000	0.000		online learning
0110108113	Biotechnology and Society	3.000	3.000	0.000		online learning
0110108114	Automobile Essentials	3.000	3.000	0.000		
0110108115	Computer Ethics	3.000	3.000	0.000		blended learning
0110108130	Health and Nutrients	3.000	3.000	0.000		online learning
0110108131	Health Education and First Aid	3.000	3.000	0.000		online learning
0110108132	Sport and Health	3.000	3.000	0.000		online learning

University Requirements Credit Hours : 27
Requirement type : Elective Credit Hours :9

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
0140108134	Ethics in Natural Science	3.000	3.000	0.000		online learning
0170108135	Reproductive Health	3.000	3.000	0.000		online learning
0140108166	Pharmaceutical Edification	3.000	3.000	0.000		
0121601105	Applied Arabic Language	3.000	3.000			in class
0121602102	Applied English Language	3.000	3.000	0.000		blended learning
0121602103	Technical Translation	3.000	3.000	0.000		blended learning
0141603101	Italian Language	3.000	3.000			in class
0151603102	Japanese Language (Level 1)	3.000	3.000	0.000		in class
0121603201	Spanish Language (1)	3.000	3.000			blended learning

Faculty Requirements Credit Hours : 22
Requirement type : Compulsory Credit Hours :22

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
1910011100	Introduction to Programming	3.000	3.000	0.000		in class
1910011101	Introduction to Programming Lab	1.000	0.000	2.000	1910011100 synchronous	in class
1910011123	Digital Logic Design	3.000	3.000	0.000	110101152	blended learning
1910011250	Data Structures	3.000	3.000	0.000	1910011111	blended learning
2010031260	Fundamentals of Software Engineering	3.000	3.000	0.000	1910011110	blended learning
0110101152	Discrete Mathematics	3.000	3.000	0.000		in class
0110108101	Calculus (1)	3.000	3.000	0.000		online learning
0110108103	Principles of Statistics	3.000	3.000	0.000		in class

Specialization Requirments Credit Hours : 83
Requirement type : Compulsory Credit Hours :71

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
0151002240	Introduction to Database Systems	3.000	3.000	0.000	151001250	blended learning
0151002241	Introduction to Database Systems Lab	1.000	0.000	2.000	151002240 synchronous	in class
1910011110	Object Oriented (1)	3.000	3.000	0.000	1910011101	blended learning
1910011111	Object Oriented Lab (1)	1.000	0.000	3.000	1910011110 synchronous	blended learning
1910011320	Computer Networks	3.000	3.000	0.000	1910011123	blended learning
1910011351	Algorithms□	3.000	3.000	0.000	1910011250	in class
1910011431	Operating Systems□	3.000	3.000	0.000	1910011123	blended learning
2010031221	Object Oriented Software Development	3.000	3.000	0.000	2010031260	in class
2010031272	Computer Organization	3.000	3.000	0.000	1910011123	in class
2010031273	Advanced Object Oriented Programming	3.000	3.000	0.000	1910011110	in class
2010031274	Visual Programming for Software Engineering	3.000	3.000	0.000	1910011110	blended learning
2010031320	Software Documentation	3.000	3.000	0.000	2010031221	blended learning
2010031323	Software Requirements Engineering	3.000	3.000	0.000	2010031221	blended learning
2010031332	Software Design	3.000	3.000	0.000	2010031221	in class
2010031352	Software Systems Analysis and Design	3.000	3.000	0.000	151002240	in class
2010031353	Software Ethics and Security	3.000	3.000	0.000	2010031260	in class
2010031375	Web Applications Programming and Engineering	3.000	3.000	0.000	2010031260	in class
2010031410	Software Testing	3.000	3.000	0.000	2010031221	blended learning
2010031436	Software Project Mangement	3.000	3.000	0.000	2010031260	in class
2010031440	Software Quality Assurance	3.000	3.000	0.000	2010031332	blended learning
2010031496	Graduation Project (1)	3.000	3.000	0.000		in class
2010031498	Practical Training	3.000	0.000	0.000		in class
2010031499	Graduation Project (2)	3.000	3.000	0.000	2010031496	in class

Specialization Requirments Credit Hours : 83
Requirement type : Compulsory Credit Hours :71

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
0110101241	Linear Algebra (1)	3.000	3.000	0.000		blended learning
0110101408	Numerical Methods	3.000	3.000	0.000	111001110 AND 110101241	in class

Specialization Requirments Credit Hours : 83
Requirement type : Elective Credit Hours :12

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
2010031325	Software Maintenance	3.000	3.000	0.000	2010031221	blended learning
2010031334	Cloud Computing Applications	3.000	3.000	0.000	151002240	blended learning
2010031354	Internet of Things and its Security	3.000	3.000	0.000	1910011320	
2010031355	Mobile Devices Applications Development	3.000	3.000	0.000	2010031273	in class
2010031356	Data Science and Artificial Intelligence	3.000	3.000	0.000	151002240	
2010031437	User Interface Design & Implementation	3.000	3.000	0.000	2010031273	online learning
2010031441	Software Measurements	3.000	3.000	0.000	2010031323	
2010031495	Selected Topics In Software Engineering	3.000	3.000	0.000		

Pre-Requist Courses Credit Hours : 0
Requirement type : Credit Hours :0

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
0001001096	Computer Skills Test	0.000	0.000	0.000		in class
0110108099	Computer Skills/ Prerequisite	3.000	3.000	0.000	1001096	online learning
0002110096	Arabic Placement Test	0.000	0.000	0.000		in class
0002120096	English Placement Test	0.000	0.000	0.000		in class
0121601099	Arabic Language / Pre-requisite	3.000	3.000		2110096	online learning
0121602099	English Language / Pre-requisite	3.000	3.000		2120096	online learning

free study materials are (3) credit hours, The student chooses it from any of the courses offered by the university departments.