

Graduation Requirements 132 Credit Hours

First: University Requirements (24 Credit Hours) Ⓣ							Fourth: Specialization Requirements (87 Credit Hours)						
(a) Compulsory: (18 Credit Hours)							(a) Compulsory: (78 Credit Hours)						
Course Number	Course Name	Hours		Credit Hours	Teaching method	Prerequisites	Course Number	Course Name	Hours		Credit Hours	Teaching method	Prerequisites
		Theory	Lab						Theory	Lab			
1401146	Entrepreneurship and innovation	1	0	1	e	Concurrent Ⓣ	1301120	Digital Systems	3	0	3	b	1301111
1401147	Leadership and social accountability	1	0	1	e		1301108	Object-Oriented Programming (1) **	2	2	3	d	1301106
1401148	Life skills	1	0	1	e		1501114	Linear Algebra	3	0	3	b	1501110
							1301203	Data Structures and Algorithms	2	2	3	d	1301105 + 1301111
100103	Military Sciences*	3	0	3	e	-	1301208	Object-Oriented Programming (2)	2	2	3	d	1301108
1401116	Islamic Education	3	0	3	e	-	1301222	Computer Organization and Architecture	3	0	3	b	1301120
1401123	Communication skills (Arabic)*	3	0	3	e	-	1301236	Web-Based Programming	2	2	3	d	1301108
1401124	Communication skills (English)**	3	0	3	e	-	1301304	Visual Programming	2	2	3	d	1301305
1401150	National Education	3	0	3	e	-	1301305	Database and Application of Database	2	2	3	d	1301203
	Total	18	0	18			1301310	Design and Analysis of Algorithms	3	0	3	d	1301203
(b) Elective:6 Credit Hours							1301326	Operating Systems	3	0	3	b	1301203
(b) University Elective: (6) Credit hours are selected from:							1301336	Data Communications and Computer Networks	3	0	3	b	1301326
501114	Palastinian Cause & Contemp. Arab History	3	0	3	e	-	1302281	Introduction to Software Engineering	3	0	3	b	1301108
1401126	Human Rights	3	0	3	e	-	1302338	Advanced Internet Computing	2	2	3	d	1301236 + 1301305
1401117	Islam and Contemporary Issues	3	0	3	e	-	1302360	Database Systems Administration	3	0	3	b	1301305
1401118	Ethics in Islam	3	0	3	e	-	1302368	Field Training	0	0	0	d	Pass. 90Cr. Hrs.
1211110	Art Education	3	0	3	e	-	1302382	Software Requirements Engineering	2	2	3	d	1302281
1501163	Introduction to the Future	3	0	3	e	-	1302383	Project Management	2	2	3	d	1302281
1401130	Sports and Health	3	0	3	e	-	1302384	Software Analysis and Design	2	2	3	d	1302382 + 1301305 Ⓣ
1401131	Introduction to Sociology	3	0	3	e	-	1302452	Human-Computer Interaction	3	0	3	b	1302281
1401127	Environmental Development	3	0	3	e	-	1302390	Software Architecture	3	0	3	b	1302384
1401223	Communication Skills (Arabic 2)	3	0	3	e	1401123	1302485	Software Maintenance and Reengineering	3	0	3	b	1302493
1401224	Communication Skills (English 2)	3	0	3	e	1401124	1302486	Software Testing	3	0	3	d	1302384
1501127	Green Energy	3	0	3	e	-	1302491	Graduation Project (1)	0	2	1	d	Pass. 90 Cr. Hrs. + 1302384
1501128	Communication and Social Media Technology	3	0	3	e	-	1302492	Graduation Project (2)	0	4	2	d	1302491
1501154	Health Education	3	0	3	e	-	1302493	Software Development and Documentation	2	2	3	d	1302384
1501164	Digital Culture	3	0	3	e	-	1302495	Software Quality Management	3	0	3	b	1302485 + 1302486
1401151	Campus Life Ethics	3	0	3	e	-	1302460	Software Methodologies	3	0	3	d	1302384
1401221	Foreign Languages	3	0	3	e	-		Total	64	28	78		
Second: Faculty Requirements (18) Credit Hours							Ⓣ Concurrency / Simultaneous						
							Ⓣ Blended: the course is taught in the combined format which is faceted and electronically asynchronous remotely						
Course Number	Course Name	Hours		Credit Hours	Teaching method	Prerequisites	Course Number	Course Name	Hours		Credit Hours	Teaching method	Prerequisites
		Theory	Lab						Theory	Lab			
1301106	Structured Programming	2	2	3	d	-	1302311	Selective Programming Language in Software Engineering	2	2	3	d	1301305
1301111	Discrete Structures (1)	3	0	3	b	-	1302312	Configuration and Change Management	3	0	3	d	1302383
1301266	Technical Writing & Communication Skills	3	0	3	b	1401124	1302210	Business Process Management in Software Engineering	3	0	3	d	1302281
1301270	Numerical Analysis	3	0	3	b	1501110	1302313	Expert Systems and Knowledge Engineering	3	0	3	d	Dept Approval
1501110	Calculus (1)	3	0	3	d	-	1302411	Software Agents	3	0	3	d	1302384
1501212	Probability and Statistics	3	0	3	d	1501110	1302314	Enterprise Software System Engineering	3	0	3	d	1302383
	Total	17	2	18			1302412	Cloud Computing and Big Data in Software Engineering	2	2	3	d	1301305
* Non-Jordanian students may study any course from university elective courses instead of the Military Science Course.							1302461	Engineering Secure Software	3	0	3	d	Dept Approval
** All students are Course ed to tests in English, Arabic and Computer Skills. Those who fail in any of the given tests must enroll for remedial course(099) which will be considered out of their study plans.							1302461	Engineering Secure Software	3	0	3	d	Dept Approval
*** All students are subject to the community service course at zero hours and with a number of points that must be completed during the years of study as a requirement for graduation and according to instructions regulating the course.							1302315	User Design Experience in Software Engineering	3	0	3	d	1302384
Ⓣ All compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)							1302481	Component-Based Software Engineering	3	0	3	d	1302384
							1302392	Advanced Technologies and Tools in Software Engineering	3	0	3	d	Dept Approval
Third: Free Electives (3) Credit Hours							1302413	Business Intelligence in Software Engineering	3	0	3	d	1301341
The student is free to choose courses from the list offered by the university's faculties							1302414	Software Engineering for IOT	3	0	3	d	Dept Approval
							1302490	Special Topics in Software Engineering	3	0	3	d	Dept Approval