



Applied Science Private University
Faculty of Information Technology
Study Plan for the B.Sc. Program in Computer Science
Academic Year 2021-2022



(Graduation Requirements: 132 Credit Hours)

First: University Requirements (24 Credit Hours): Ⓣ						Fourth: Specialization Requirements 81 Credit Hours)						
(a) Compulsory: (18 Credit Hours)						(a) Compulsory: (72 Credit Hours)						
Subject Number	Subject Title	Credit Hours			Prerequisites	Subject Number	Subject Title	Credit Hours			Prerequisites	
		Theory	Lab	Total				Theory	Lab	Total		
1401146	Entrepreneurship and innovation	1	0	1	Concurrent Ⓣ	1301120	Digital Systems	3	0	3	1301111	
1401147	Leadership and social accountability	1	0	1		1301203	Data Structures and Algorithms	2	2	3	1301108+1301111	
1401148	Life skills	1	0	1		1301208	Object-Oriented Programming (2)	2	2	3	1301108	
100103	Military Sciences*	3	0	3		1301222	Computer Organization and Architecture Ⓣ	3	0	3	1301224	
1401116	Islamic Education	3	0	3	-	1301224	Microcomputer Systems and Assembly Language Ⓣ	3	0	3	1301120	
1401123	Communication skills (Arabic)*	3	0	3	-	1301236	Web-Based Programming	2	2	3	1301108	
1401124	Communication skills (English)**	3	0	3	-	1301304	Visual Programming	2	2	3	1301305	
1401150	National Education	3	0	3	-	1301305	Database and Application of Database	2	2	3	1301203	
						1301306	Basics of Electric Physics	3	0	3	1501121+1301120	
Total		18	0	18		1301307	Basics of Electric Physics Lab	0	2	1	Ⓣ1301306	
(b) University Elective: (6) Credit hours are selected from:						1301310	Design and Analysis of Algorithms	3	0	3	1301203	
501114	Palastinian Cause & Contemp. Arab History	3	0	3	-	1301315	Theory of Computation	3	0	3	1301203	
1401126	Human Rights	3	0	3	-	1301326	Operating Systems Ⓣ	3	0	3	1301203	
1401117	Islam and Contemporary Issues	3	0	3	-	1301336	Data Communications and Computer Networks Ⓣ	3	0	3	1301326	
1401118	Ethics in Islam	3	0	3	-	1301341	Artificial Intelligence	2	2	3	1301203	
1211110	Art Education	3	0	3	-	1301368	Field Training	0	0	0	Pass. 90Cr. Hrs.	
1501163	Introduction to the Future	3	0	3	-	1301386	Information Systems Analysis and Design Ⓣ	3	0	3	1301305	
1401130	Sports and Health	3	0	3	-	1301411	Information Security Ⓣ	3	0	3	1301336	
1401131	Introduction to Sociology	3	0	3	-	1301415	Compiler Construction	3	0	3	1301315	
1401127	Environmental Development	3	0	3	-	1301421	Parallel Programming	2	2	3	1301310	
1401210	Arabic Language (2)	3	0	3	1401110	1301466	Cloud Computing and Big Data	2	2	3	1301341 + 1301305	
1401220	English Language (2)	3	0	3	1401120	1301468	Recent Trends in Computing	0	2	1	1301305	
1501127	Green Energy	3	0	3	-	1301491	Graduation Project (1)	0	2	1	Pass. 90 Cr. Hrs. + 1301386	
1501128	Communication and Social Media Technology	3	0	3	-	1301492	Graduation Project (2)	0	4	2	1301491	
1501154	Health Education	3	0	3	-	1302281	Introduction to Software Engineering Ⓣ	3	0	3	1301108	
1501164	Digital Culture	3	0	3	-	1302338	Advanced Internet Computing	2	2	3	1301236+ 1301305	
1401151	Campus Life Ethics	3	0	3	-	1501120	General Physics (1)	3	0	3	-	
1401221	Foreign Languages	3	0	3	-	1501121	General Physics Lab (1)	0	2	1	Ⓣ1501120	
						Total			57	30	72	
Second: Faculty Requirements (24) Credit Hours						Ⓣ Concurrent						
* Non-Jordanian students may study any course from university elective instead of the Military Science Course.						Ⓣ Blended: the course is taught in the combined format which is faceted and electronically asynchronous remotely						
** All students are subjected 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.						(b) Elective: (9 Credit Hours)						
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.						1301106	Structured Programming	2	2	3	-	
ⓉAll compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)						1301108	Object-Oriented Programming (1)	2	2	3	1301106	
ⓉAll compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)						1301111	Discrete Structures (1) Ⓣ	3	0	3	-	
ⓉAll compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)						1301266	Technical Writing and Communication Skills Ⓣ	3	0	3	1401120	
ⓉAll compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)						1501110	Calculus (1)	3	0	3	-	
ⓉAll compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)						1301270	Numerical Analysis	3	0	3	1501110	
ⓉAll compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)						1301150	Linear Algebra Ⓣ	3	0	3	1501110	
ⓉAll compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)						1501212	Probability and Statistics	3	0	3	1501110	
ⓉAll compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)						Total			22	4	24	
ⓉAll compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)						1302383	Project Management	2	2	3	1302281	
ⓉAll compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)						1301442	Data Mining	3	0	3	1301305	
ⓉAll compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)						1301455	Computer Graphics	2	2	3	1301310	
ⓉAll compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)						1302337	ECommerce	2	2	3	1301108	
ⓉAll compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)						1301350	Multimedia Systems	2	2	3	1301236	
ⓉAll compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)						1302360	Database Systems Administration	3	0	3	1301305	
ⓉAll compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)						1301462	Mobile Computing	3	0	3	Dept. Approval	
ⓉAll compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)						1301464	User Design Experience	3	0	3	Dept. Approval	
ⓉAll compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)						1301467	Business intelligence	3	0	3	1301341	
ⓉAll compulsory and elective university requirements are studied in full electronic form remotely (synchronous and asynchronous)						1301209	Discrete Structures (2)	3	0	3	1301111	
Third: Free Electives (3) Credit Hours						The student can choose any subject offered by the university faculties						
This Study Plan is to be followed as of the beginning of the first semester 2021/2022												