GLOBAL University

الجـــامعة العـــالمية

Bachelor in Computer Science - Programming and Development

Year	Year	Semester	Course Code	Course Title	Credits	Prerequisite	Total
1	FIRST	FALL	ARB208*	Arabic Language and Literature	3		**Total First Year Fall**
1	FIRST	FALL	CSC201	Computer Programming	3		
1	FIRST	FALL	CSC201L	Computer Programming - Lab	1	Co-CSC201	
1	FIRST	FALL	CSC222	Computer Systems	3		
1	FIRST	FALL	ENG201	English Essays and Composition	3		
1	FIRST	FALL	IT203	Digital Systems	3		**16**
1	FIRST	SPRING	ARB209*	Arabic Rhetoric	3	ARB208	**Total First Year Spring**
1	FIRST	SPRING	CSC202	Object Oriented Programming	3	CSC201	
1	FIRST	SPRING	CSC202L	Object Oriented Programming - Lab	1	Co-CSC201	
1	FIRST	SPRING	ENG202	English Communication Skills	3	ENG201	
1	FIRST	SPRING	IT204	Computer Architecture	3	IT203	
1	FIRST	SPRING	MTH203	Discrete Mathematics	3		
1	FIRST	SPRING	MTH215	Probability and Statistics I	3		**19**
2	SECOND	FALL	CLT201	Cultural Studies I	3		**Total Second Year Fall**
2	SECOND	FALL	CSC301	Data Structures and Algorithms	3	CSC202	
2	SECOND	FALL	CSC303	Database Management Systems	3	CSC202	
2	SECOND	FALL	IT322	Networking I	3	CSC222	
2	SECOND	FALL	MTH201	Calculus II	3		
2	SECOND	FALL	MTH301	Linear Algebra	3		**18**
2	SECOND	SPRING	CLT202	Cultural Studies II	3	CLT201	**Total Second Year Spring**
2	SECOND	SPRING	CSC306	Software Engineering	3	CSC303	
2	SECOND	SPRING	CSC324	Enterprise Database Systems	3	CSC303	
2	SECOND	SPRING	CSC345	Machine Learning Concepts	3	CSC301	
2	SECOND	SPRING	ENG308	Business Communication	3	ENG202	**15**
3	THIRD	FALL	CSC408	Data Science Foundation	3	CSC202	**Total Third Year Fall**
3	THIRD	FALL	CSC495	CSC Internship	3	CSC306	
3	THIRD	FALL	IT328	Information Security	3	IT322	
3	THIRD	FALL	IT404	Intro to Linux and Bash Scripting	3	IT322	
3	THIRD	FALL	ELE	Elective	3		**15**
3	THIRD	SPRING	CSC405	Operating Systems Concepts and Techniques	3	IT404	**Total Third Year Spring**
3	THIRD	SPRING	CSC426	Web and Mobile Applications Development	3	CSC324	
3	THIRD	SPRING	CSC450	Special Topics in Computer Science	3	CSC202	
3	THIRD	SPRING	CSC498	CSC Capstone	3	CSC306	
3	THIRD	SPRING	ELE	Elective	3		**15**
				Major Total	**98**		**98**

*Can be replaced with CLT221 and CLT222

updated July 2024