LEBANESE INTERNATIONAL UNIVERSITY

Major Title: Bachelor of Computer Science
Major Code: BCSCI
Level: underGraduate
Number Of Credits: 99

Bachelor of Computer Science (BCSCI)

First Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
CULT200	Introduction to Arab - Islamic Civilization	3		
CSCI205	Computer Science Overview	3	ENGL101	
MATH225	Linear Algebra with Applications	3	MATH160-ENGL051-MATH161	
MATH210	Calculus II	3	MATH161-MATH160	
ENGL201	Composition and Research Skills	3	ENGL151	
	General Education Electives	3		
Total		18		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
ENGL251	Communication Skills	3	ENGL201	
	General Education Electives	3		
ARAB200	Arabic Language and Literature	3		
PHYS205	General Physics for Scientists	3	PHYS161	
CSCI250L	Introduction to Programming Lab	1	CSCI205	ENGL101-CSCI250
CSCI250	Introduction to Programming	3	CSCI205	ENGL101-CSCI250L
MATH260	Discrete Mathematics	3		MATH225
Total		19		

Second Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
CSCI300L	Intermediate Programming with Objects Lab	1	CSCI250	CSCI300
MATH310	Probability & Statistics for Scientists & Engineers	3	MATH210-ENGL201	
CSCI335	Database Systems	3	CSCI250	
	General Education Electives	3		
CSCI300	Intermediate Programming with Objects	3	CSCI250L-CSCI250	CSCI300L
CSCI342	Fundamentals of Networking Technologies	3	CSCI250	
Total		16		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
CSCI380	Software Engineering	3	ENGL201-CSCI335	
CSCI378	Data Structures and Algorithms	3	CSCI300	
CSCI373	Robotics Design and Coding	3	CSCI250	
CSCI405	Computer Organization and Architecture	3	CSCI300	
CSCI390	Web Programming	3	CSCI335-CSCI300	
	Major Elective	3		
Total		18		

Third Year				
Fall Semester				
Code	**Title**	**Credits**	**Prerequisites**	**Corequisites**
CSCI475	Artificial Intelligence	3	CSCI378	
CSCI450	Theory of Computation	3	CSCI378-MATH260	
CSCI430L	Operating Systems Lab	1	CSCI300	CSCI430
MATH375	Numerical Methods for Scientists & Engineers	3	MATH225	
CSCI430	Operating Systems	3	CSCI300	CSCI430L
	Major Elective	3		
Total		16		
Spring Semester				
Code	**Title**	**Credits**	**Prerequisites**	**Corequisites**
CSCI490	Information System Development	3	CSCI390-CSCI380	
	Major Elective	3		
CSCI451	Parallel Processing	3	CSCI430	
CSCI499	Internship	3	CSCI430	
Total		12		