LEBANESE INTERNATIONAL UNIVERSITY

Major Title: Bachelor of Computer Science
Major Code: BCSCI
Level: underGraduate
Number Of Credits: 99
Date: 18-10-2026

Bachelor of Computer Science (BCSCI)

Major Electives

Code	Title	Credits	Prerequisites	Corequisites
	Major Elective	3		
	Major Elective	3		
	Major Elective	3		
	Total	9		

Core Requirements

Code	Title	Credits	Prerequisites	Corequisites
CSCI205	Computer Science Overview	3	ENGL101	
CSCI250	Introduction to Programming	3	CSCI205	ENGL101-CSCI250L
CSCI250L	Introduction to Programming Lab	1	CSCI205	ENGL101-CSCI250
CSCI300	Intermediate Programming with Objects	3	CSCI250L-CSCI250	CSCI300L
CSCI300L	Intermediate Programming with Objects Lab	1	CSCI250	CSCI300
CSCI335	Database Systems	3	CSCI250	
CSCI342	Fundamentals of Networking Technologies	3	CSCI250	
CSCI373	Robotics Design and Coding	3	CSCI250	
CSCI390	Web Programming	3	CSCI335-CSCI300	
MATH210	Calculus II	3	MATH161-MATH160	
MATH225	Linear Algebra with Applications	3	MATH160-ENGL051-MATH161	
MATH260	Discrete Mathematics	3		MATH225
PHYS205	General Physics for Scientists	3	PHYS161	
	Total	35		

Major Requirements

Code	Title	Credits	Prerequisites	Corequisites
CSCI378	Data Structures and Algorithms	3	CSCI300	
CSCI380	Software Engineering	3	ENGL201-CSCI335	
CSCI405	Computer Organization and Architecture	3	CSCI300	
CSCI430	Operating Systems	3	CSCI300	CSCI430L
CSCI430L	Operating Systems Lab	1	CSCI300	CSCI430
CSCI450	Theory of Computation	3	CSCI378-MATH260	
CSCI451	Parallel Processing	3	CSCI430	
CSCI475	Artificial Intelligence	3	CSCI378	
CSCI490	Information System Development	3	CSCI390-CSCI380	
CSCI499	Internship	3	CSCI430	
MATH310	Probability & Statistics for Scientists & Engineers	3	MATH210-ENGL201	
MATH375	Numerical Methods for Scientists & Engineers	3	MATH225	
	Total	34		

General Education Requirements

Code	Title	Credits	Prerequisites	Corequisites
ARAB200	Arabic Language and Literature	3		
CULT200	Introduction to Arab - Islamic Civilization	3		
ENGL201	Composition and Research Skills	3	ENGL151	
ENGL251	Communication Skills	3	ENGL201	
	Total	12		

General Education Electives

Code	Title	Credits	Prerequisites	Corequisites
	Set A General Education Electives	3		
	Set A General Education Electives	3		
	Set A General Education Electives	3		
	Total	9		

Major Elective Courses (Set A)

Code	Title	Credits	Prerequisites	Corequisites
CSCI372	Natural Language Processing	3	CSCI300	
CSCI401	Introduction to Data science	3	MATH310-CSCI250	
CSCI410	Mobile Application	3	CSCI300-CSCI335	
CSCI426	Web Programming Advanced	3	CSCI390	
CSCI441	Machine Learning	3	CSCI378	
CSCI458	Essentials of DevOps	3	CSCI380	

General Education Elective Courses (Set A)

Code	Title	Credits	Prerequisites	Corequisites
ARAB220	Creative Writing in Arabic	3		
ARTS204	Introduction to Theater	3		
ARTS215	History of Arts	3		
BACC200	Financial Accounting	3		
BECO210	Introduction to Microeconomics	3		
BECO260	Introduction to Macroeconomics	3		
BMED210	Introduction to Community Health	3		
BMTH210	Business and Managerial Math	3		
BSTA205	Introduction to Business Statistics	3		
COMM200	Introduction to Communication Studies	3		
COMM205	Introduction to Western Civilization	3		
COMM220	Rhetoric & Persuasion	3		
CSCI200	Introduction to Computers	3		
CSCI205	Computer Science Overview	3	ENGL101	
ENVR200	Environmental Science	3		
GEE200	General Topics in Cooperation and Collaboration	3		
GEE201	General Topics in Communication	3		
GEE203	General Topics in Culture and Diversity	3		
GEE204	General Topics in Critical Thinking and Problem Solving	3		
GEE205	General Topics in Quantitative and Qualitative Literacy	3		
HUMN200	Community Service	3		
HUMN215	Introduction to Civic Society	3		
LANG200	Beginners Russian	3		
LANG221	Introduction To Italian	3		
LANG222	Introduction To French	3		
LANG225	Introduction To German	3		
LANG226	Introduction to Portuguese	3		
NUTR200	Nutrition and Health	3		
PHED200	Sports and Health	3		
PHIL200	Introduction to Philosophy	3		
PHIL205	Introduction to Ethics	3		
PHIL210	World Religions	3		
POLS205	World Current Affairs	3		
POLS230	Lebanese Labor Law	3		
POLS240	The Arab Israeli Conflict	3		
SPAN200	Introduction to Spanish	3		

SSCI200	Introduction to Sociology	3		
SSCI205	Introduction to Psychology	3		
SSCI215	Introduction to Music	3		