LEBANESE INTERNATIONAL UNIVERSITY

Major Title: Bachelor of Biochemistry
Major Code: BBIOC
Level: underGraduate
Number Of Credits: 99
Date: 09-10-2026

Bachelor of Biochemistry (BBIOC)

Major Electives

Code	Title	Credits	Prerequisites	Corequisites
	Major Elective	3		
	Major Elective	3		
	Total	6		

Core Requirements

Code	Title	Credits	Prerequisites	Corequisites
BIOC250	Biochemistry I (General)	4	BIOL200	CHEM250
BIOL200	General Biology I	3	ENGL101-BIOL160	BIOL200L
BIOL200L	General Biology I Lab	1	ENGL101	BIOL200
BIOL275	Cell and Molecular Biology	3	BIOL200	BIOL275L
BIOL275L	Cell and Molecular Biology Lab	1	BIOL200	BIOL275
CHEM200	General Chemistry	3	ENGL101-CHEM160	CHEM200L
CHEM200L	General Chemistry Lab	1	ENGL101-CHEM160	CHEM200
CHEM250	Organic Chemistry I	3	CHEM200	
CHEM260	Analytical Chemistry	3	CHEM200	CHEM260L
CHEM260L	Analytical Chemistry Lab	1	CHEM200	CHEM260
CHEM300	Organic Chemistry II	3	CHEM250	CHEM300L
CHEM300L	Organic Chemistry Lab	2	CHEM250	CHEM300
PHYS205	General Physics for Scientists	3	BIOL200-PHYS161	
	Total	31		

Major Requirements

Code	Title	Credits	Prerequisites	Corequisites
BIOC350	Biochemistry II (Intermediary)	3	BIOC250	BIOC350L
BIOC350L	Biochemistry II Lab	1	BIOC250	BIOC350
BIOC400	Biochemistry III (Protein Structure & Function)	3	BIOC350	
BIOC405	Enzymology	3	BIOC350	
BIOC445	Biotechnology	3	BIOC250-BIOL365	
BIOC450	Advanced Lab Techniques in Biochemistry	2	BIOC445	
BIOC485	Modern Topics in Biochemistry	3	BIOC350	
BIOL360	Human Physiology & Anatomy	4	BIOL200	BIOL360L
BIOL360L	Human Physiology & Anatomy Lab	1	BIOL200	BIOL360
BIOL365	Genetics	3	BIOL275	
BIOL385	Microbiology	3	BIOL200	BIOL385L
BIOL385L	Microbiology Lab	1	BIOL200	BIOL385
BIOL490	Seminar	1		BIOC485
BMED450	Clinical Chemistry	3	BIOC250	BMED450L
BMED450L	Clinical Chemistry Lab	1	BIOC250	BMED450
CHEM310	Physical Chemistry I	3	CHEM200	
CHEM440	Advanced Physical Chemistry	3	CHEM310	
	Total	41		

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**
BIOC455	Bioinformatics and AI	3	BIOC350	
CHEM465	Environmental chemistry	3	CHEM260	
BMED435	Carcinogenesis and Oncology	3	BIOL275	
BIOC330	Signal Transduction	3	BIOL275-BIOC250	

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		
BMKT250	Marketing Theory and Principles	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		
CSCI205	Computer Science Overview	3		
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		