



**L E B A N E S E  
I N T E R N A T I O N A L  
U N I V E R S I T Y**

**Major Title:** Bachelor of Chemistry  
**Major Code:** BCHEM  
**Level:** underGraduate  
**Number Of Credits:** 99  
**Version:** 2  
**Version**  
**Date:** 2025-10-06  
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## Bachelor of Chemistry (BCHEM)

### Major Electives

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

### Core Requirements

Code	Title	Credits	Prerequisites	Corequisites
BIOL200	General Biology I	3	ENGL101-BIOL160	
BMKT300	Marketing Theory and Principles	3	ENGL151	
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
MATH210	Calculus II	3	MATH161-MATH160	
MATH245	Statistics for Health Sciences	3	ENGL151	
MATH270	Ordinary Differential Equations	3	MATH210	MATH225
PHYS250	Thermodynamic and Waves	3		
PHYS280	Electricity and Magnetism	3	PHYS250	
Total		32		

### Major Requirements

Code	Title	Credits	Prerequisites	Corequisites
CHEM300	Organic Chemistry II	3	CHEM250	CHEM300L
CHEM300L	Organic Chemistry Lab	2	CHEM250	CHEM300
CHEM310	Physical Chemistry I	3	CHEM200	CHEM310L
CHEM310L	Physical Chemistry I Lab	1	CHEM200	CHEM310
CHEM350	Organic Chemistry III	3	CHEM300	CHEM350L
CHEM350L	Organic Chemistry Lab III Lab	1		CHEM350
CHEM370	Inorganic Chemistry I	3	CHEM200	CHEM370L
CHEM370L	Inorganic Chemistry I Lab	1	CHEM200	CHEM370
CHEM400	Inorganic Chemistry II	3	CHEM370	
CHEM410	Structure Determination of Compounds	3	CHEM300	
CHEM420	Industrial Chemistry	3	CHEM300-CHEM310	
CHEM430	Instrumental Chemistry	3	CHEM260	
CHEM440	Advanced Physical Chemistry	3	CHEM310	
CHEM465	Environmental Chemistry	3	CHEM300	
CHEM480	Senior Project in Chemistry	3	CHEM370-CHEM350-CHEM310	
CHEM490	Modern Topics in Chemistry	2	CHEM310-CHEM300	

		Total	40		
<b>General Education Requirements</b>					
Code	Title	Credits	Prerequisites	Corequisites	
ARAB200	Arabic Language and Literature	3			
CSCI200	Introduction to Computers	3	ENGL051		
CULT200	Introduction to Arab - Islamic Civilization	3			
ENGL201	Composition and Research Skills	3	ENGL151		
ENGL251	Communication Skills	3	ENGL201		
		Total	15		
<b>General Education Electives</b>					
Code	Title	Credits	Prerequisites	Corequisites	
Set A	General Education Electives	3			
Set A	General Education Electives	3			
		Total	6		
<b>Major Elective Courses</b>					
Code	Title	Credits	Prerequisites	Corequisites	
EDUC222	Basics of Educational Psychology	3	ENGL151		
EDUC253	Technology Integration in Education	3	CSCI200		
FDSC420	Food Processing	3	CHEM250		
MATH225	Linear Algebra with Applications	3	MATH160-ENGL051-MATH161		
<b>General Education Electives</b>					
Code	Title	Credits	Prerequisites	Corequisites	
ARAB220 (Set A)	Creative Writing in Arabic	3			
ARTS204 (Set A)	Introduction to Theater	3			
ARTS215 (Set A)	History of Arts	3			
BACC200 (Set A)	Financial Accounting	3			
BECO210 (Set A)	Introduction to Microeconomics	3			
BECO260 (Set A)	Introduction to Macroeconomics	3			
BMED210 (Set A)	Introduction to Community Health	3			
BMTH210 (Set A)	Business and Managerial Math	3			
BSTA205 (Set A)	Introduction to Business Statistics	3			
COMM200 (Set A)	Introduction to Communication Studies	3			
COMM205 (Set A)	Introduction to Western Civilization	3			
COMM220 (Set A)	Rhetoric & Persuasion	3			
CSCI205 (Set A)	Computer Science Overview	3			
ENVR200 (Set A)	Environmental Science	3			
GEE200 (Set A)	General Topics in Cooperation and Collaboration	3			
GEE201 (Set A)	General Topics in Communication	3			
GEE203 (Set A)	General Topics in Culture and Diversity	3			
GEE204 (Set A)	General Topics in Critical Thinking and Problem Solving	3			
GEE205 (Set A)	General Topics in Quantitative and Qualitative Literacy	3			
HUMN200 (Set A)	Community Service	3			
HUMN215 (Set A)	Introduction to Civic Society	3			

LANG200 (Set A)	Beginners Russian	3		
LANG221 (Set A)	Introduction To Italian	3		
LANG222 (Set A)	Introduction To French	3		
LANG225 (Set A)	Introduction To German	3		
LANG226 (Set A)	Introduction to Portuguese	3		
NUTR200 (Set A)	Nutrition and Health	3		
PHED200 (Set A)	Sports and Health	3		
PHIL200 (Set A)	Introduction to Philosophy	3		
PHIL205 (Set A)	Introduction to Ethics	3		
PHIL210 (Set A)	World Religions	3		
POLS205 (Set A)	World Current Affairs	3		
POLS230 (Set A)	Lebanese Labor Law	3		
POLS240 (Set A)	The Arab Israeli Conflict	3		
SPAN200 (Set A)	Introduction to Spanish	3		
SSCI200 (Set A)	Introduction to Sociology	3		
SSCI205 (Set A)	Introduction to Psychology	3		
SSCI215 (Set A)	Introduction to Music	3		