



**Course Requirements for the Undergraduate Biochemistry Program
2022/2023**

I. Summary of Graduation Requirements

University Required Courses	15 credits
Faculty and Major Required Courses	68 credits
Free Elective Courses	15 credits
Total	98 credits

II. Details of Graduation Requirements

1. University Required Courses

Code	Courses	Credits	Prerequisites	Co-requisites
ADM105	Introduction to Information Technology	3		
EDU105	Introduction to Sociology	3		
LIT105	Arabic Civilization	3		
LIT110	Arabic Language I	3		
LIT120	English Language I	3		
	Total	15		

2. Free Elective Courses

Code	Title	Credits	Prerequisites	Co-requisites
ADM115	Introduction to Law and Constitutional Law	3		
ADM120	Microeconomics	3		
BCH200	Toxicology and Environmental Science	3		
BCH205	Kinetic Chemistry and Thermodynamics	3		
BCH380	Research Methods	2		
BIO130	Ecology	2		
BIO310	Biotechnology	2		
COM350	Graphic Design	3		
LIT150	Introductory Political Science	3		
LIT160	Introductory Islamic Economy	3		
PHE239	Bioinformatics	2		
PHE276	Basic Nutrition	2		
PHE311	Medical Virology	1		
	Total	15		



3. Faculty and Major Required Courses

Code	Courses	Credits	Prerequisites	Co-requisites
BCH215	Physical Chemistry for Biologists	2	CHM165	
BCH240	Biochemistry I	3	CHM165	
BCH240L	Biochemistry I Lab	1		
BCH301	Biochemistry of Integrated Systems	2	BIO160,BCH240	
BCH305	Enzymology	3	BCH240	
BCH305L	Enzymology Lab	1		
BCH310	Biochemistry II	3	BCH240	
BCH310L	Biochemistry II Lab	1		
BCH316	Applied Biochemistry	2	BCH240	
BCH390	Graduation Project	2	BCH380	
BIO131	General Biology	3		
BIO160	Cell Biology	3		
BIO230	General Microbiology	2	BIO131	
BIO230L	General Microbiology Lab	1		
BIO300	Transmission Genetics	2	BIO131	
BIO305	Molecular Biology	3	BIO301	
BIO305L	Molecular Biology Lab	1		
BIO345	Immunology	3	BIO131,BIO160	
CHM165	General Chemistry I	3		
CHM165L	General Chemistry I Lab	1		
CHM166	General Chemistry II	3	CHM165	
CHM166L	General Chemistry II Lab	1		
CHM203	Inorganic Chemistry	3	CHM165	
CHM203L	Inorganic Chemistry Lab	1		
CHM210	Analytical Chemistry	3	CHM165	
CHM210L	Analytical Chemistry Lab	1		
CHM246	Organic Chemistry I	2	CHM165	
CHM246L	Organic Chemistry I Lab	1		
CHM250	Organic Chemistry II	3	CHM246	
MAT105	Linear Algebra for Life Sciences	3		
PHY101	General Physics	3		
STAT156	Principles of Biostatistics	2		
	Total	68		