



Study Plan for the Undergraduate Biochemistry Program
2022/2023

Year 1, Fall Semester

ADM105	Introduction to Information Technology	3
BIO131	General Biology	3
BIO160	Cell Biology*	3
CHM165	General Chemistry I*	3
CHM165L	General Chemistry I Lab	1
LIT110	Arabic Language I	3
Total Credits		16

Year 1, Spring Semester

CHM166	General Chemistry II	3
CHM166L	General Chemistry II Lab	1
LIT105	Arabic Civilization	3
LIT120	English Language I	3
MAT105	Linear Algebra for Life Sciences	3
PHY101	General Physics	3
Total Credits		16

Year 2, Fall Semester

BIO230	General Microbiology	2
BIO230L	General Microbiology Lab	1
CHM203	Inorganic Chemistry	3
CHM203L	Inorganic Chemistry Lab	1
CHM246	Organic Chemistry I	2
CHM246L	Organic Chemistry I Lab	1
EDU105	Introduction to Sociology	3
STAT156	Principles of Biostatistics	2
	Elective Course	3
Total Credits		18

Year 2, Spring Semester

BCH215	Physical Chemistry for Biologists	2
BCH240	Biochemistry I	3
BCH240L	Biochemistry I Lab	1
CHM210	Analytical Chemistry	3
CHM210L	Analytical Chemistry Lab	1
CHM250	Organic Chemistry II	3
	Elective Course	4
Total Credits		17



Year 3, Fall Semester

BCH301	Biochemistry of Integrated Systems	2
BCH305	Enzymology	3
BCH305L	Enzymology Lab	1
BIO300	Transmission Genetics	2
BCH380	Research Methods (<i>Elective Course</i>)*	2
	Elective Courses	6
Total Credits		16

Year 3, Spring Semester

BCH310	Biochemistry II	3
BCH310L	Biochemistry II Lab	1
BCH316	Applied Biochemistry	2
BIO305	Molecular Biology	3
BIO305L	Molecular Biology Lab	1
BIO345	Immunology	3
BCH390	Graduation Project	2
Total Credits		15

*Course opens in Fall and Spring Semesters.