

Study Plan for B.Sc. in Chemistry

Year	Course Code	Course Name	Pre-requisites	Credit Hours	Course Code	Course Name	Pre-requisites	Credit Hours
Semester One (Pre-Major)					Semester Two			
1	CHEM101/L	General Chemistry I		4	CHEM102/L	General Chemistry II	CHEM101/L	4
	ARAB100	Arabic Language I		3	MATH116	Pre-Calculus I		4
	ENGL150	English Language I		3	ENGL152	English Language II	ENGL150	3
	HIST150	Islamic Civilization		3	ARAB101	Arabic Language II	ARAB100	3
	COMP101/L	Computer Skills	Comp-A/B, Digital Literacy	3	BIOL101/L	General Biology I		4
Semester Total				16	Semester Total			
Semester Three					Semester Four			
2		University Elective		3	MNGT100	Entrepreneurship: Creativity and Innovation		3
	PHYS101/L	General Physics I	MATH116	4	CHEM255/L	Physical Chemistry I	CHEM102/L	3
	CHEM211/L	Inorganic Chemistry I	CHEM102/L	4	CHEM251/L	Inorganic Chemistry II	CHEM211/L	4
	CHEM265/L	Organic Chemistry I	CHEM102/L	4	CHEM275/L	Organic Chemistry II	CHEM265/L	4
	ENGL155	Communication Skills		3	CHEM241/L	Analytical Chemistry I	CHEM102/L	4
Semester Total				18	Semester Total			
Semester Five					Semester Six			
3	CHEM332/L	Physical Chemistry II	CHEM255/L	3		Department Elective 2		3
	CHEM325/L	Organic Chemistry III	CHEM265/L	3	CHEM327	Industrial Chemistry	CHEM241/L	3
		Department Elective 1		3	CHEM334/L	Biochemistry	BIOL101/L	3
	CHEM341/L	Analytical Chemistry II	CHEM241/L	3		Department Elective 3		3
					CHEM342/L	Instrumental Chemical Analysis	CHEM341/L	3
					CHEM488	Computers in Chemistry	CHEM325/L	1
Semester Total				16	Semester Total			



		Semester Seven				Semester Eight			
4	CHEM490/L	Advanced Laboratory	CHEM488, CHEM342/L	3	CHEM499	Chemistry Project	CHEM490	4	
		College Elective		4		Department Elective 7		3	
	CHEM339	Research Methodology in Chemistry		2		Department Elective 8		3	
		Department Elective 4		3		Department Elective 9		3	
		Department Elective 5		3		Department Elective 10		3	
		Department Elective 6		3					
	Semester Total				18	Semester Total			
Grand Total: 136									