

Study Plan: Bachelor of Science in Chemistry

FIRST YEAR (32 credit hours)			
Term	Course #	Course Title	Credit Hours
Fall	ENGL 202	English Language I	3
	CHEM 101	General Chemistry I	3
	CHEM 103	Experimental General Chemistry I	1
	PHYS 101	General Physics I	3
	MATH 101	Calculus I	3
	UNIV 100	First year Seminar	3
Total Credit Hours in Semester			16
Spring	ARAB 100	Arabic Language I	3
	ENGL 203	English Language II	3
	CHEM 102	General Chemistry II	3
	CHEM 104	Experimental General Chemistry II	1
	MATH 102	Calculus II	3
	PHYS 102	General Physics II	3
Total Credit Hours in Semester			16

SECOND YEAR (30 credit hours)			
Term	Course #	Course Title	Credit Hours
Fall	ARAB 200	Arabic Language II	3
	CHEM 217	Organic Chemistry I	3
	CHEM 218	Experimental Organic Chemistry I	1
	CHEM 237	Analytical Chemistry I	3
	CHEM 238	Experimental Analytical Chemistry I	1
	PHYS 103	Experimental General Physics I	1
	CHEM 241	Physical Chemistry 1	3
	CHEM 242	Experimental Physical Chemistry I	1
Total Credit Hours in Semester			16

Spring	CHEM 310	Organic Chemistry II	3
	CHEM 313	Experimental Organic Chemistry II	1
	CHEM 337	Analytical Chemistry II	3
	CHEM 338	Experimental Analytical Chemistry II	1
	BIOL 101	Biology I	3
	STAT 101	Statistics I	3
Total Credit Hours in Semester			14

THIRD YEAR (31 credit hours)			
Term	Course #	Course Title	Credit Hours
Fall	DAWA 111	Islamic Culture	3
	CHEM 351	Basic biochemistry I	3
	CHEM 352	Experimental Biochemistry	1
	CHEM 221	Inorganic Chemistry I	3
		Chemistry Elective	3
		Minor Course	3
Total Credit Hours in Semester			16
Spring	CHEM 341	Physical Chemistry II	3
	CHEM 442	Experimental Physical Chemistry II	1
	CHEM 362	Research Methods in Chemistry	1
	CHEM 222	Experimental Inorganic Chemistry	1
	GEOL 101	Principles of General Geology	3
		Minor course	3
		Minor course	3
Total Credit Hours in Semester			15

FOURTH YEAR (27 credit hours)			
Term	Course #	Course Title	Credit Hours
Fall		Core curriculum course	3

	CHEM 321	Inorganic chemistry II	3
	CHEM 463	Research Project	3
		Chemistry Elective	3
		Minor course	3
Total Credit Hours in Semester			15
Spring		Chemistry Elective	3
		Chemistry Elective	3
		Minor course	3
		Minor course	3
Total Credit Hours in Semester			12