



Developed Study plan for the Bachelor of Science in Chemistry Program (Number of program hours = 132)

First Year							
First level				Second level			
Code	Course Name	Hr	Requisite	Code	Course Name	Hr	Requisite
0212CTR-2	Moderation	2	-	0291VOLN -2	Volunteering Skills	2	-
0221ARAB-2	Arabic Language Skills	2	-	1101BIOL	General Biology- Practice	1	1300BIOL-3
0522ENG-5	Intensive English Program	5	-	1101PHYS1	General Physics - Practice	1	1300PHYS-3
1101CHEM-1	General Chemistry 1 - Practice	1	-	1102CHEM-1	Scientific Communication Skills in Chemistry	1	-
1300CHEM-3	General Chemistry 1	3	-	1300BIOL	General Biology	3	-
1400MATH-4	Introduction to Calculus	4	-	1300PHYS	General Physics	3	-
Total		17		Total		15	
Second Year							
Third level				Forth level			
Code	Course Name	Hr	Requisite	Code	Course Name	Hr	Requisite
2101CHEM-1	General Chemistry 2 - Practice	1	1101CHEM-1	2121CHEM-1	Inorganic Chemistry 1- Practice	1	2420CHEM-4
			2400CHEM-4				
2111CHEM-1	Organic Chemistry 1 - Practice	1	2410CHEM-4	2213CHEM-2	Organic Chemistry 2 - Practice	2	2512CHEM-5
2400CHEM-4	General Chemistry 2	4	1300CHEM-3	2440CHEM-4	Analytical Chemistry 1	4	1300CHEM-3
2410CHEM-4	Organic Chemistry 1	4	1300CHEM-3	2450CHEM-4	Multidisciplinary Chemistry 1	4	2430CHEM-4 2420CHEM-4
2420CHEM-4	Inorganic Chemistry 1	4	1300CHEM-3	2512CHEM-5	Organic Chemistry 2	5	2410CHEM-4
2430CHEM-4	Physical Chemistry 1	4	1300CHEM-3	Total		16	
			1400MATH-4				
Total		18					

Third Year

Fifth level			
Code	Course Name	Hr	Requisite
3140CHEM-1	Analytical Chemistry 1- Practice	1	2440CHEM-4
3210CHEM-2	Physical Organic Chemistry	2	2512CHEM-5
			3530CHEM-5
3222CHEM-2	Inorganic Chemistry 2- Practice	2	3420CHEM-5
3231CHE M-2	Inorganic Chemistry 2	4	2420CHEM-4
3530CHE M-5	Physical Chemistry 2	5	2430CHEM-4
Total		16	

Sixth level			
Code	Course Name	Hr	Requisite
3112CHEM-1	Biochemistry - Practice	1	3311CHEM-3
3242CHEM-2	Analytical Chemistry 2- Practice	2	3441CHEM-4
3250CHEM-2	Organometallic Chemistry	2	2512CHEM-5
			3420CHEM-4
3311CHE M-3	Biochemistry	3	2512CHEM-5
3441CHE M-4	Analytical Chemistry 2	4	2440CHEM-4
Total		12	

Forth Year

Seventh level			
Code	Course Name	Hr	Requisite
0401MHR-4	Career Preparation Skills (Training 1)	4	-
4450CHEM-4	Multidisciplinary Chemistry 2	4	3420CHEM-4
			2512CHEM-5
Total		8	

Eighth level			
Code	Course Name	Hr	Requisite
4899CHE M-8	Cooperative Training	8	-
Total		8	

Elective courses			
Code	Course Name	Hr	Requisite
0211CTR-2	Ethics & Values	2	-
0213CTR-2	Rights	2	-
0214CTR-2	Building Awareness	2	-
0215CITI-2	Intro to National Culture	2	-
0231CTR-2	Thought & Philosophy	2	-
0241Art-2	Arts	2	-
0251BUS-2	Principles of Entrepreneurship	2	-
0261DITE2	Introduction to Computer Skills	2	-
0271CITI-2	Citizenship	2	-
0272CITI-2	National History	2	-
0281PUH-2	Health Awareness	2	-
Total		22	
Free Hours		4	