

## Study Plan

Degree : Bachelor

Faculty : Science and Humanity Studie

Hrs : 188

Semester : 441

Dept : Chemistry

Plan : Major

Edition : 4

Gender : Both

Major : CH96 Chemistry

Council Session :

Deanship Session :

Faculty Session :

Dept Session :

Council Date :

Deanship Date :

Faculty Date :

Dept Date :

Group Type : 1 إجبارية

Group Type : 1 إجبارية

First							
Code	Course Name	HR	G	L	H	Requisites	Yrl
IC 101	Introduction of Islamic Culture	2				-	-
MATH 1050	Differential calculus	4				-	-
ENGL 1210	Reading Skills	5				-	-
ENGL 1220	Writing Skills	5				-	-
Total							16

Second							
Code	Course Name	HR	G	L	H	Requisites	Yrl
ARAB101	Language Skills	2				-	-
MATH 1060	Integral calculus	4				MATH 1050 - / P	-
ENGL 1230	Conversation and listening skills	5				-	-
CT 1400	Computer Skills	3				-	-
Total							14

Third							
Code	Course Name	HR	G	L	H	Requisites	Yrl
PHYS 1010	General physics(I)	5				-	-
MC 1400	Communication Skills	2				-	-
ENG 1604	English for Technical Purposes	5				-	-
ENG 1606	English for Academic Purposes	4				-	-
Total							16

Forth							
Code	Course Name	HR	G	L	H	Requisites	Yrl
IC 102	The Islam and Society Building	2				-	-
BIO 2010	General Biology (1)	5				-	-
CHEM 2010	General Chemistry (1)	5				-	-
CHEM 2020	General Chemistry (2)	5				-	-

Forth						
Total						17

Fifth							
Code	Course Name	HR	G	L	H	Requisites	Yrl
IC 103	The Foundation Of the Economic System in Islam	2				-	-
CHEM 2210	Analytical Chemistry (1)	5				CHEM 2010 - / P	-
PHYS 2310	General Physics (2)	5				PHYS 1010 - / P	-
CHEM 2410	Organic Chemistry (1)	5				CHEM 2010 - / P	-
Total							17

Sixth							
Code	Course Name	HR	G	L	H	Requisites	Yrl
IC 104	Foundations of the political system in Islam	2				-	-
CHEM 2110	Inorganic Chemistry (1)	4				CHEM 2010 - / P	-
CHEM 3220	Analytical Chemistry (2)	5				CHEM 2210 - / P	-
CHEM 3310	Physical Chemistry (1)	5				CHEM 2020 - / P	-
Total							16

Seventh							
Code	Course Name	HR	G	L	H	Requisites	Yrl
ARAB103	Arabic Editing	2				-	-
CHEM 3010	General Biochemistry	4				CHEM 2010 - / P	-
CHEM 3320	Physical Chemistry (2)	5				CHEM 3310 - / P	-
CHEM 3420	Organic Chemistry (2)	5				CHEM 2410 - / P	-
Total							16

Eighth							
Code	Course Name	HR	G	L	H	Requisites	Yrl
CHEM 3120	Inorganic Chemistry (2)	4				CHEM 2110 - / P	-

## Study Plan

Degree : Bachelor

Faculty : Science and Humanity Studie

Hrs : 188

Semester : 441

Dept : Chemistry

Plan : Major

Edition : 4

Gender : Both

Major : CH96 Chemistry

Council Session :

Deanship Session :

Faculty Session :

Dept Session :

Council Date :

Deanship Date :

Faculty Date :

Dept Date :

## Group Type : 1 إجبارية

Eighth							
Code	Course Name	HR	G	L	H	Requisits	Yrl
CHEM 3230	Spectroscopic Methods of Analysis	4				CHEM 3220 - / P	-
CHEM 3430	Polymer Chemistry	3				CHEM 3420 - / P	-
<b>Total</b>						<b>11</b>	

## Group Type : 1 إجبارية

Code	Course Name	HR	G	L	H	Requisits	Yrl
CHEM 4010	Ethics	2				-	-
CHEM 4470	Petroleum chemistry	3				CHEM 3420 - / P	-
CHEM 4990	Research Project (2)	3				CHEM 4980 - / P	-
<b>Total</b>						<b>8</b>	

Ninth							
Code	Course Name	HR	G	L	H	Requisits	Yrl
CHEM 3130	Coordination Chemistry	4				CHEM 3120 - / P	-
CHEM 4240	Chromatography	4				CHEM 3220 - / P	-
CHEM 4330	Electrochemistry	3				CHEM 3320 - / P	-
CHEM 4440	Natural Products Chemistry	3				CHEM 3420 - / P	-
<b>Total</b>						<b>14</b>	

## Category :

## Group Type : 1 إختيارية ( 8 )

Code	Course Name	HR	G	L	H	Requisits	Yrl
STAT 2010	Fundamentals of Statistics and Probabilities	4				MATH 1060 - / P	-
PHYS 2110	optics (1)	4				PHYS 1010 - / P	-
PHYS 2230	Advanced Physics	4				PHYS 1010 - / P	-
BIO 2410	Animal Physiology	4				BIO 2010 - / P	-
PHYS 2410	Thermodynamics (1)	4				MATH 1060 - / P PHYS 1010 - / P	-
MATH 3410	Differential equations for physics students	4				MATH 1060 - / P	-
<b>Total</b>						<b>24</b>	

Tenth							
Code	Course Name	HR	G	L	H	Requisits	Yrl
CHEM 4340	Surface and Catalysis Chemistry	3				CHEM 3320 - / P	-
CHEM 4450	Organic Reactions Mechanism	3				CHEM 3420 - / P	-
CHEM 4590		2				-	-
<b>Total</b>						<b>8</b>	

## Category :

## Group Type : 1 إختيارية ( 9 )

Code	Course Name	HR	G	L	H	Requisits	Yrl
CHEM 4140	Organometallic Chemistry	3				CHEM 2110 - / P CHEM 2410 - / P	-
CHEM 4150	Selected Topics in Inorganic Chemistry	3				CHEM 3130 - / P	-
CHEM 4460	Organic Spectroscopy	4				CHEM 3420 - / P	-
CHEM 4980	Research Project (1)	2				-	-
<b>Total</b>						<b>12</b>	

## Study Plan

Degree : Bachelor

Faculty : Science and Humanity Studie

Hrs : 188

Semester : 441

Dept : Chemistry

Plan : Major

Edition : 4

Gender : Both

Major : CH96 Chemistry

Council Session :

Deanship Session :

Faculty Session :

Dept Session :

Council Date :

Deanship Date :

Faculty Date :

Dept Date :

Category :

Group Type : 1 إختيارية ( 9 )

Code	Course Name	HR	G	L	H	Requits	Yrl
CHEM 4160	Applications of Transition Metals	3				CHEM 3130 - / P	-
CHEM 4170	Nuclear and Radiochemistry	3				CHEM 2110 - / P	-
CHEM 4250	Statistical Methods in Analytical Chemistry	3				CHEM 3220 - / P	-
CHEM 4260	Environmental and Pollution Chemistry	3				CHEM 2210 - / P	-
CHEM 4350	Industrial Chemistry	3				CHEM 3320 - / P	-
CHEM 4360	Quantum chemistry	3				CHEM 3320 - / P	-
CHEM 4370	Corrosion Chemistry	3				CHEM 4340 - / P	-
CHEM 4480	Carbohydrates Chemistry	3				CHEM 3420 - / P	-
CHEM 4490	Fundamentals of Nanochemistry	3				CHEM 2010 - / P	-
<b>Total</b>							<b>27</b>

Free Hrs : 6