

## DIPLOMA SUPPLEMENT

### 1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

	Last Name(s)		First Name(s)
1.1	Arabic	1.2	عهد بنت جميل بن أحمد الجميل
	Date of birth (dd/mm/yyyy)		Students identification number or code (if available)
1.3	/ / yyyyy	1.4	Student ID

### 2. INFORMATION IDENTIFYING THE QUALIFICATION

	Name of qualification and (if applicable) title conferred		Main field(s) for the qualification
2.1	Bachelor of education	2.2	Chemistry
	Name and Stat of awarding Institution(in original language)		Name and Stat of awarding Institution(if different from 2.3 (in original language)
2.3	جامعة المجمعة كلية التربية بالزلفي Majmaah University Faculty of education - Zulfi	2.4	Same 2.3
	Language(s) of instruction/examination		
2.5	Arabic		

### 3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

	Level of qualification		Official length of program
3.1	Frist cycle degree(Bachelor)	3.2	Four Academic Years(Full-time mode, 8 Semester, 144 Credit Hours, 245 ECTS)
	Access requirements(s)		
3.3	Higher Education Entrance Qualification , <a href="http://mu.edu.sa/en/deanships/deanship-admission-and-registration/requirements-admission">http://mu.edu.sa/en/deanships/deanship-admission-and-registration/requirements-admission</a>		

### 4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

	Mode of study		Program requirements		
4.1	Full-time	4.2	A Student must satisfy the programme graduation requirements as follows		
			Degree Requirements	EUC Credits	ECTS
			University	12	20.4
			College	32	54.4
			Chemistry Compulsory	85	144.5
			Chemistry Elective	15	25.5
			Free Course	zero	zero
			<b>Total Requirements</b>	<b>144</b>	<b>245</b>

4.3 PROGRAMME DETAILS(e.g. modules or units studied), and the individual grades/marks/credits obtained

No.	CODE	SUBJECT	Semester F=First S= Second	EUC Credits	ECTS Credits	Grade
1	CHEM111	general chemistry (1)	F	2	3.4	B
2	EDU 116	Teaching techniques and Communication skills	F	2	3.4	B <sup>+</sup>
3	EDU 117	Fundamentals of Islamic Education	F	2	3.4	A
4	EDU 118	The System and Policy of Education in KSA	F	2	3.4	A <sup>+</sup>
5	MATH 111	Calculus(1)	F	2	3.4	D
6	PHYS 111	General physics (1)	F	2	3.4	B <sup>+</sup>
7		University requirement	F	2	3.4	B <sup>+</sup>
8		University requirement	F	2	3.4	B
9		University requirement	F	2	3.4	B <sup>+</sup>
10	CHEM121	Organic chemistry (1)	S	4	7	A
11	CHEM122	Inorganic chemistry ( main group elements)	S	2	3.4	B
12	COMP125	Introduction to computer	S	3	5	A
13	EDU 126	Developmental Psychology	S	2	3.4	B <sup>+</sup>
14	MATH123	Introduction to differential equations	S	3	5	D
15	STAT 101	Biostatistics	S	2	3.4	A
16		University requirement	S	2	3.4	A
17	CHEM211	Organic chemistry 2	F	4	6.8	B
18	CHEM212	Physical chemistry- Phase Rule	F	2	3.4	A
19	CHEM213	General chemistry 2	F	3	5	B <sup>+</sup>
20	EDU 216	Psychological Health	F	2	3.4	B <sup>+</sup>
21	EDU 217	Principles of Educational Research	F	2	3.4	A <sup>+</sup>
22	PHYS 123	General physics 2	F	3	5	A
23		University requirement	F	2	3.4	A
24	CHEM221	Heterocyclic Compounds chemistry	S	4	6.8	B <sup>+</sup>

25	CHEM222	Quantum Chemistry (1)	S	2	3.4	B <sup>+</sup>
26	CHEM223	Physical organic chemistry	S	2	3.4	C <sup>+</sup>
27	CHEM224	Descriptive Analytical Chemistry	S	3	5	B
28	CHEM225	Electro-Reversible Chemistry 1	S	3	5	B
29	EDU 226	Educational Psychology	S	2	3.4	B <sup>+</sup>
30		University requirement	S	2	3.4	A
31	CHEM311	Quantum Chemistry (2)	F	2	3.4	C <sup>+</sup>
32	CHEM312	Thermodynamic chemistry	F	3	5	B
33	CHEM314	organic chemistry (polymers and patrol)	F	3	5	C <sup>+</sup>
34	CHEM315	Quantitative Analytical Chemistry	F	3	5	B
35	CHEM316	Physical Chemistry ( Surfaces, Colloid s & Catalysis)	F	3	5	C <sup>+</sup>
36	EDU316	Administration and Educational Planning	F	2	3.4	A <sup>+</sup>
37	EDU317	Production of E-learning	F	2	3.4	A <sup>+</sup>
38	CHEM321	Biochemistry 1	S	3	5	C <sup>+</sup>
39	CHEM322	Inorganic chemistry( transition elements)	S	4	7	B <sup>+</sup>
40	CHEM323	Electro-Reversible Chemistry 2	S	4	7	C
41	CHEM324	Coordination chemistry	S	3	5	B <sup>+</sup>
42	EDU 326	Teaching Strategies	S	2	3.4	A <sup>+</sup>
43	EDU 327	Curricula	S	2	3.4	A
44	CHEM411	Instrumental Analysis Chemistry	F	4	7	B
45	CHEM412	Kinetic Chemistry	F	3	5	B
46	CHEM413	Dyes chemistry	F	4	6.8	B
47	CHEM414	Biochemistry 2	F	3	5	B
48	EDU 416	Modern Trends in Teaching Strategies	F	2	3.4	B
49	EDU 417	Educational Evaluation	F	2	3.4	A <sup>+</sup>
50	CHEM421	Natural Products Chemistry	S	3	5	B
51	CHEM 422	Chemistry of organic reactions mechanisms	S	2	3.4	D
52	EDU426	Field education	S	6	10.2	A <sup>+</sup>
53	CHEM423	organic chemistry (Organic Compounds Spectra)	S	4	7	B
54	CHEM 424	Nuclear and Radiation Chemistry	S	3	5	B
Total Number of EUC Credits and ECTS				144	245	

## Grading Scheme and , if available, grade distribution guidance

4.4	Latter Grade	Grade Meaning	Grade Points	Latter Grade	Grade Meaning	Grade Points	Percentage Grade
	A +	5.00	95-100	D	Pass	2.00	60-64
A	4.75	90-94	E	Failure	1.00		
B +	4.50	85-89	H	Debarred	1.00		
B	4.00	80-84	W	Withdrawal	0.00		
C +	3.50	75-79	I	Incomplete	0.00		
C	3.00	70-74	TR	Transferred	0.00		
D +	2.50	65-69					
Overall classification of the qualification(in original Language )							
4.5	For 4.18 /5.00 Pass						

## 5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

Access to further		Professional Status	
5.1	Access to Second Cycle	5.2	Not Applicable

## 6. ADDITIONAL INFORMATION

Additional Information		Further Information Sources	
6.1		6.2	

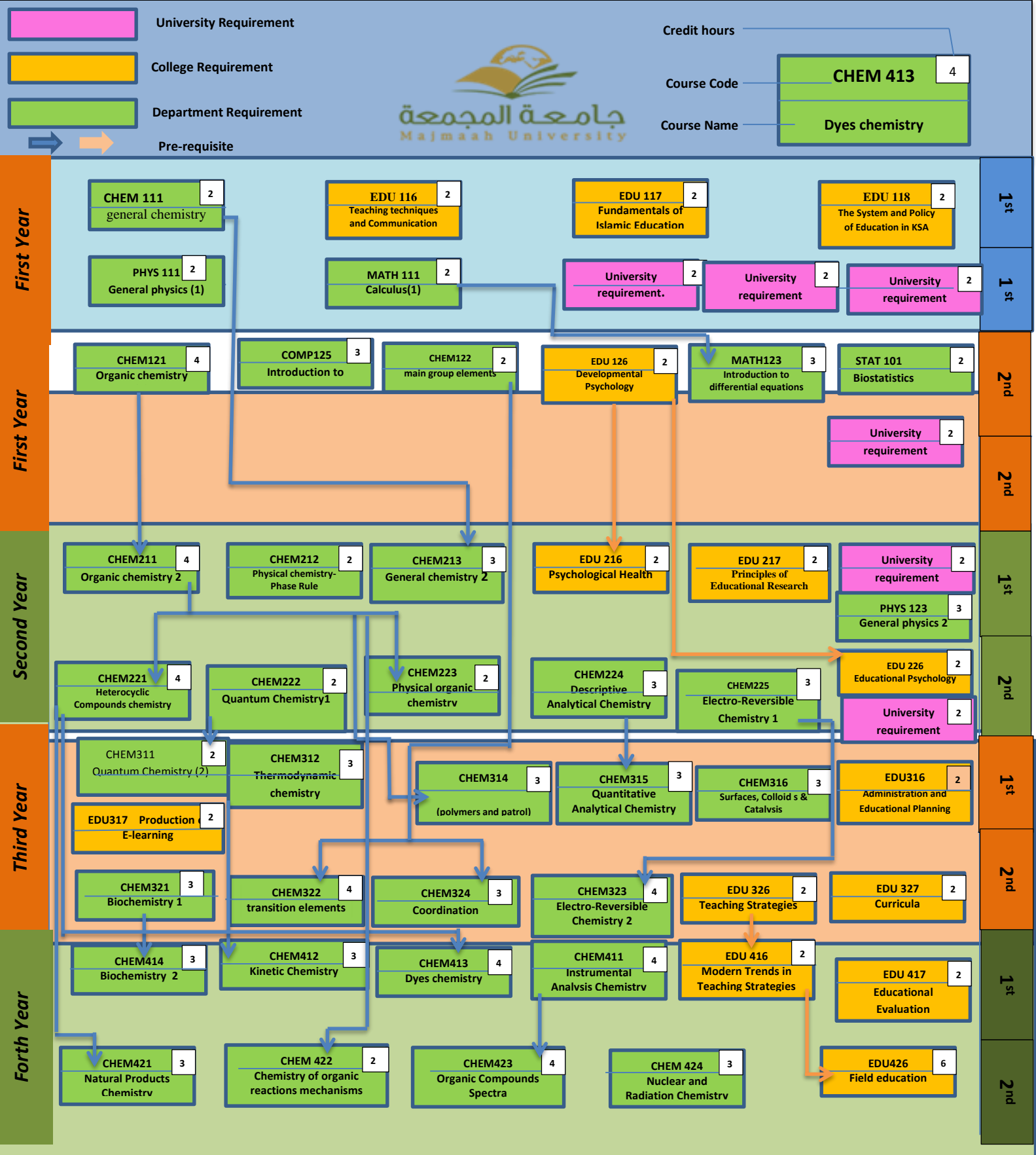
## 7. CERTIFICATION OF THE SUPPLEMENT

Date		Signature	
7.1		7.2	
Capacity		Official Stamp or Seal	
7.3	Register, Majmaah University, Faculty of Education- Zulfi	7.4	

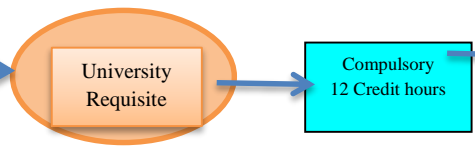
## 8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

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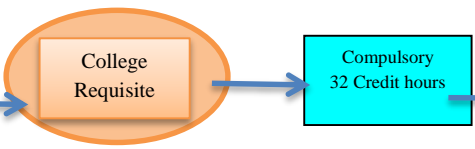
# Study Plan of Chemistry Program



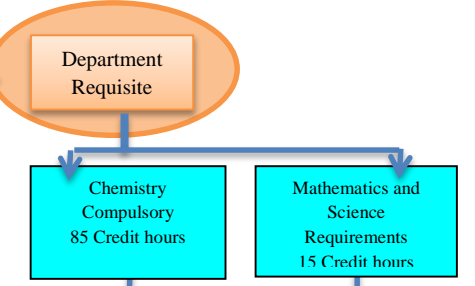
**ZULFI COLLEGE OF EDUCATION  
CHEMISTRY PROGRAMME**



NO.	CODE	SUBJECT	CREDIT HOURS
1	SALM 101	Introduction to Islamic Culture	2
2	SALM 102	Islam and Society	2
3	SALM 103	Economic System in Islam	2
4	SALM 104	The Basics of the Political System in Islam	2
5	AR AB 101	Arabic language skills	2
6	AR AB 103	Arabic editing	2
7	SOCI 101	Contemporary Social Issues	2
8	ENT 101	Business Leadership	2
9	FCH 101	Family and Childhood	2
10	HAF 101	The basics of Health and Fitness	2
11	LHR 101	Laws and Human Rights	2
12	VOW 101	Voluntary Work	2
13	ENG 101	English language	2
Total Number of Credit hours			24



NO.	CODE	SUBJECT	CREDIT HOURS
1	EDU 116	Teaching techniques and Communication skills	2
2	EDU 117	Fundamentals of Islamic Education	2
3	EDU 118	The System and Policy of Education in K.S.A	2
4	EDU 126	Developmental Psychology	2
5	EDU 216	Psychological Health	2
6	EDU 217	Principles of Educational Research	2
7	EDU 226	Educational Psychology	2
8	EDU316	Administration and Educational Planning	2
9	EDU317	Production of E-learning	2
10	EDU 326	Teaching Strategies	2
11	EDU 327	Teaching Strategies	2
12	EDU 416	Modern Trends in Teaching Strategies	2
13	EDU 417	Educational Evaluation	2
14	EDU426	Field education	6
Total Number of Credit hours			32



NO.	CODE	SUBJECT	CREDIT HOURS
1	CHEM111	general chemistry (1)	2
2	CHEM121	Organic chemistry (1)	4
3	CHEM122	Inorganic chemistry ( main group elements)	2
4	CHEM211	Organic chemistry 2	4
5	CHEM212	Physical chemistry- Phase Rule	2
6	CHEM213	General chemistry 2	3
7	CHEM221	Heterocyclic Compounds chemistry	4
8	CHEM222	Quantum Chemistry (1)	2
9	CHEM223	Physical organic chemistry	2
10	CHEM224	Descriptive Analytical Chemistry	3
11	CHEM225	Electro-Reversible Chemistry 1	3
12	CHEM311	Quantum Chemistry (2)	2
13	CHEM312	Thermodynamic chemistry	3
14	CHEM314	organic chemistry (polymers and petrol)	3
15	CHEM315	Quantitative Analytical Chemistry	3
16	CHEM316	Physical Chemistry ( Surfaces, Colloid & Catalysis)	3
17	CHEM321	Biochemistry 1	3
18	CHEM322	inorganic chemistry( transition elements)	4
19	CHEM323	Electro-Reversible Chemistry 2	4
20	CHEM324	Coordination Chemistry	3
21	CHEM411	Instrumental Analysis Chemistry	4
22	CHEM412	Kinetic Chemistry	3
23	CHEM413	Eyes chemistry	4
24	CHEM414	Biochemistry 2	3
25	CHEM421	Natural Products Chemistry	3
26	CHEM 422	Chemistry of organic reactions mechanisms	2
27	CHEM423	organic chemistry (Organic Compounds Spectra)	4
28	CHEM 424	Nuclear and Radiation chemistry	3
Total Number of Credit hours			85

NO.	CODE	SUBJECT	CREDIT HOURS
1	MATH 111	Calculus(1)	2
2	PHYS 111	General physics (1)	2
3	COMP125	Introduction to computer	3
4	MATH123	Introduction to differential equations	3
5	STAT 101	Biostatistics	2
6	PHYS 123	General physics 2	3
Total Number of Credit hours			15

## University Mission

The mission of Majmaah University is to offer educational programs with high quality as well as funding all types of research projects and social initiatives that contribute in achieving the sustainable development. We also committed to instill the concept of patriotism and educate students about the culture and heritage of the country.

### College Mission

The College seeks to prepare highly qualified education, academic and professional to compete in building knowledge society in accordance with the quality standard.

### Program Mission

The program offers a distinguished education that joins knowledge to innovation in the field of chemistry and to prepare a generation of qualified female graduates that meets the needs of the labor market in accordance with quality standards.

### Program Objectives:

Achieving Academic excellence in accordance with quality standards.

Prepare national competences in the field of chemistry who contribute to the making of society, development programs insofar as education, health, industry and scientific research are concerned.

To participate in the advancement of knowledge through seminars, workshops and publications.

Serving state and private sectors by increasing people's awareness of chemistry and exchange programs.

Integrating IT in curriculum design in relation to Chemistry.

### Program Learning Outcomes

- a1) Recognize the knowledge of fundamental concepts in Chemistry
- a2) Covering the major principles and theories in the field of chemistry
- a3) Introducing students to the prominent teaching methods and approaches in relation to chemistry.
- b1) Explain to general audience the Chemistry principles that underlie our understanding of nature
- b2) Develop the skill for analyzing/solving the Chemistry based problems.
- b3) Think creatively about scientific problems and their solutions
- b4) Applying the acquired academic skills to professional and academic contexts.
- c1) An ability to work effectively in diverse teams in both classroom and laboratory.
- c2) Taking the initiative to identify urgent problems and solve them.
- c3) Assuming responsibility for self-learning and professional development.
- c4) Showing high commitment to work ethics in accordance with Islamic values
- d1) Think creatively about scientific problems and their solution, both orally and in written
- d2) Locate and retrieve scientific information, using modern computer tools
- d3) Learn how to collect and classify the required topics using internet communication tools.

