

Al Quds Bard College for Arts and Sciences – Chemistry Program

Al-Quds University
Chemistry Program

Section One: Four Year Study Plan

First Year					
Courses				CRN	Hours
Language & Thinking				9100100	03
Fall			Spring		
Courses	CRN	Hours/	Courses	CRN/T	Hours
				ype	
FYSEM I	9100101	3 CR	FYSEM II	9100102	3 CR
English Composition I	9100105	3 CR	English Composition II	9100106	3 CR
Arabic Composition I	9100109	3 CR	Arabic Composition II	9100110	3 CR
General Chemistry	9102101	4 PR	Organic Chemistry I	9102201	3 PR
Principles of Life	9101101	4 PR	Thermodynamics and Kinetics	9102204	4 PR
			Calculus I	9102110	3 PR
		Total: 17			Total: 19

Second Year					
Fall			Spring		
Courses	CRN	Hours	Courses	CRN/T	Hours
SYSEM I	9100201	3 CR	SYSEM II	9100202	3 CR
Organic Chemistry II	9102202	3 PR	Organic Lab Techniques	9102203	2 PR
Analytical Chemistry	9102205	4 PR	Biochemistry	910301	4 PR
Physics I	9102120	3 PR	Physics II	9102121	3 PR
Physics Lab I	9102122	1 PR	Physics Lab II	9102123	1 PR
Distribution requirement*	-----	3 FC	Distribution requirement*	-----	3 FC
		Total: 17			Total: 16

Third Year					
Fall			Spring		
Courses	CRN/T	Hours	Courses	CRN/T	Hours
Advanced Organic	9102301	4 PR	200 level program elective	91022---	3 PE
Inorganic Chemistry I	9102302	3 PR	200 level program elective	91022---	4PE
Inorganic Chemistry Lab	9102314	1 PR	300 level program elective	91023---	3 PE
Tech I			300 level program elective	91023---	3 PE
Advanced Organic	9102304	1 PR	Distribution Requirement	-----	3 DR
Chemistry Lab			Distribution requirement*	-----	3 DR

Al Quds Bard College for Arts and Sciences – Chemistry Program

200 Level Program Elective	91022---	3 PE			
200 Level Program Elective	91022---	3 PE			
Distribution Requirement	-----	3 PE			
		Total: 18			Total: 19

Senior Year					
Fall			Spring		
Courses	CRN/T	Hours	Courses	CRN/T	Hours
Senior project I	9102401	4 PR	Senior project II	9102402	4 PR
300 level program Elective	910-----	3 PE	400 level program elective	91024---	3 PE
300 level program Elective	910-----	3 PE	400 level program elective	91024---	3 PE
400 level program Elective	910-----	3 PE			
Distribution requirement	-----	3 DR			
		Total: 16			Total: 10

PROGRAM TOTAL CREDITS				132/132
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Section Two: Four Year Study Plan Requirements

College Requirements (CR):

a. Obligatory Courses 27 credits.

Students MUST take 27 credits: 9 courses (Language & Thinking, FYSEM I & FYSEM II, English Composition I & English Composition II, Arabic Composition I & Arabic Composition II, SYSEM I & SYSEM II).

#	Course name	Course #	Total	Prerequisite
1	Language and Thinking	9100100	3	-
2	First Year Seminar (FYSEM) I	9100101	3	-
3	First Year Seminar (FYSEM) II	9100102	3	9100101 preferred, not required
4	Arabic Composition I	9100109	3	-
5	Arabic Composition II	9100110	3	9100109 preferred, not required

Al Quds Bard College for Arts and Sciences – Chemistry Program

6	English Composition I	9100105	3	-
7	English Composition II	9100106	3	9100105 preferred, not required
8	Second Year Seminar (SYSEM) I	9100201	3	-
9	Second Year Seminar (SYSEM) II	9100202	3	9100201 preferred, not required

TOTAL CREDITS				27 Credits (9 Courses)
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For Arabic Composition, students MUST select 6 credits (two courses) from the courses listed in the table below:

#	Arabic Composition Courses	Course #	Total	Prerequisite
1	Beginning Arabic 1	9100107	3	-
2	Beginning Arabic 2	9100108	3	9100107 preferred, not required
3	Arabic Composition I	9100109	3	-
4	Arabic Composition II	9100110	3	9100109 preferred, not required

TOTAL CREDITS				6 Credits (2 Courses)
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For English Composition, students MUST select 6 credits (two courses) from the courses listed in the table below:

#	Course name	Course #	Total	Prerequisite
1	English Composition I	9100105	3	-
2	English Composition II	9100106	3	9100105 preferred, not required
3	English through the Liberal Arts	9100111	3	-
4	Advanced Composition	9100112	3	-
5	Junior Writing	9100301	4	-
6	Media Theory	9106121	3	-
7	Introduction to the Study of History	9107101	3	-
8	Introduction to Creative Writing	9108115	3	-

Al Quds Bard College for Arts and Sciences – Chemistry Program

TOTAL CREDITS			6 Credits (2 Courses)
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Program Requirements (PR):

a. Obligatory Courses: 55 credits.

Students MUST complete all courses listed in the table below (55 credits) for majoring in Chemistry Program.

#	Course name	Course #	Theory	Lab	Total	Prerequisite
1	General Chemistry (fall)	9102101	3	1	4	-
2	Organic Chemistry I (spring)	9102201	3	-	3	9102101
3	Organic Chemistry II (fall)	9102202	3	-	3	9102101,9102201
4	Organic Chemistry Lab Techniques (either)	9102203	-	2	2	9102201,9102202
5	Thermodynamics and Kinetics (spring)	9102204	3	1	4	9102101
6	Analytical Chemistry (spring)	9102205	3	1	4	9102101, 9102204
7	Biochemistry (fall)	9102301	3	1	4	9102201, 9102202, 9102,203
8	Inorganic I (fall)	9102302	3	-	3	9102101, 9102201, 9102202, 910204
	Inorganic Lab Techniques I	9102314	-	1	1	9102302
9	Advanced Organic (fall or spring)	9102303	3	-	3	9102201, 9102202, 9102203
10	Advanced Organic Lab (fall or spring)	9102304	-	1	1	9102303
11	Senior Project I: Chemistry	9102401	4	-	4	Department

Al Quds Bard College for Arts and Sciences – Chemistry Program

	(fall)					Approval
12	Senior Project II: Chemistry (fall)	9102402	4	-	4	Department Approval
13	Principles of Life (fall)	9101101	3	1	4	-
14	Calculus I (all semesters)	9102110	3	-	3	
15	Physics I (fall)	9102120	3	-	3	-
16	Physics II (spring)	9102121	3	-	3	9102120
17	Physics Lab I	9102122	-	1	1	Co requisite: 9102120
18	Physics Lab II	9102123	-	1	1	Co requisite: 9102121

TOTAL CREDITS			55 Credits
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b. Elective Courses (PE): 33 credits.

33 credit hours: 12 credit hours from the 200 level, 12 credit hours from the 300 level courses, and 9 credit hours from the 400 level courses. :

TOTAL CREDITS			33 Credits
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c. Free Courses (PE): 18 credits.

Students MUST choose two courses from each division in the college and the divisions are Practicing and fine Arts division (Media studies and Literature and society) and Social Sciences (Urban Studies, Human Rights, Political Science, and Economics and Finance).

Section Three: Four Year Study Plan Summary

The student has to pass at least (128) credit hours to get B.SC Degree in Chemistry Program.

College Requirements (CR):

- a. Obligatory Courses: 27 credits.

Program Requirements (PR):

- a. Obligatory Courses: 52 credits.

Al Quds Bard College for Arts and Sciences – Chemistry Program

- b. Elective Courses (PE): 35 credits.
- c. Free Courses (PE): 18 credits.

Total Credits required: 131 credits are required to fulfill the B.A. degree in Chemistry Program.