



Study Plan

Degree : Bachelor

Faculty : Science

Plan Hrs.: 136

Semester : 441

Department : Biochemistry

Plan Type : Major

Edition : 7

Gender : Both

Major : BCH Biochemistry

Council Session:

Deanship Session :

Faculty Session :

Dept Session:

Council Date:

Deanship Date:

Faculty Date:

Dept Date :

Group Type : Compulsory 1

First							
code	course name	H	G	L	H	requisite	Yrl
ENGS 100	English	6				-	-
ENT 101	Entrepreneurship	1				-	-
CHEM1 01	General Chemistry (1)	4				-	-
Total							11

Second							
code	course name	H	G	L	H	requisite	Yrl
ARAB 100	Writing Skills	2				-	-
STAT 101	An Introduction to Probability & Statistics	3				-	-
CT 101	IT Skills	3				-	-
CI 101	University Skills	3				-	-
Total							11

Third							
code	course name	H	G	L	H	requisite	Yrl
MATH 101	Differential Calculus	3				-	-
EPH 101	Fitness and Health Education	1				-	-
ENGS 110	English	6				ENGS 100 - / P	-
Total							10

Fourth							
code	course name	H	G	L	H	requisite	Yrl
ZOOL1 03	Principles of General Zoology	3				-	-
BCH 103	Biochemical Fundamentals of Life	2				-	-
CHEM1 08	Introduction to Organic Chemistry	4				CHEM101 - / P	-
MBI 140	General Microbiology	3				-	-
Total							12

Fifth							
-------	--	--	--	--	--	--	--

Group Type : Compulsory 1

Fifth							
code	course name	H	G	L	H	requisite	Yrl
BCH 202	General Biochemistry	4				-	-
CHEM 233	Principles of Chemical Thermodynamics	3				-	-
CHEM 251	Analytical Chemistry	3				-	-
Total							10

Sixth							
code	course name	H	G	L	H	requisite	Yrl
PHYS10 2 (2)	GENERAL PHYSICS	4				-	-
BCH 303	Protein Biochemistry	3				-	-
BCH 312	Biochemical Calculations	3				BCH 202 - / P	-
Total							10

Seventh							
code	course name	H	G	L	H	requisite	Yrl
BCH 320	General Enzymology	3				BCH 303 - / P	-
BCH 322	Experiments in Enzymology	2				BCH 320 - / MC	-
BCH 361	Molecular Biology	4				BCH 202 - / P	-
Total							9

Eighth							
code	course name	H	G	L	H	requisite	Yrl
BCH 332	Physical Biochemistry	3				BCH 303 - / P	-
BCH 333	Experiments in Physical Biochemistry	2				BCH 312 - / P BCH 332 - / MC	-
BCH 452	Biomembranes & Cell Signaling	2				BCH 202 - / P	-
Total							7

Ninth							
-------	--	--	--	--	--	--	--

P : Pre-requisite

G : GPA level

H : Requisite HRS

C: Co- requisite MC : Mandatory Co-requisite NC: None Co- requisite L : Pre-course Level



Study Plan

Degree : Bachelor Faculty : Science Plan Hrs.: 136
 Semester : 441 Department : Biochemistry Plan Type : Major
 Edition : 7 Gender : Both
 Major : BCH Biochemistry

Council Session: Deanship Session : Faculty Session : Dept Session:
 Council Date: Deanship Date: Faculty Date: Dept Date :

Category :

Group Type : Compulsory 1

Group Type : Elective 1 (8)

Ninth							
code	course name	H	G	L	H	requisite	Yrl
BCH 340	Metabolism (1)	3				BCH 320 - / P	-
BCH 462	Biotechnology & Genetic Engineering	4				BCH 361 - / P	-
BCH 471	Blood Biochemistry	3				BCH 320 - / P	-
Total							10

Tenth							
code	course name	H	G	L	H	requisite	Yrl
BCH 440	Metabolism (2)	3				BCH 340 - / P	-
BCH 445	Biochemistry of Nutrition	3				BCH 303 - / P	-
BCH 447	Practical Metabolism	2				BCH 340 - / P	-
BCH 484	Introduction in Scientific Research Skills	2				BCH 333 - / P BCH 361 - / P	-
Total							10

code	course name	H	G	L	H	requisite	Yrl
BCH 453	Hormones	2				BCH 340 - / P BCH 452 - / P	-
BCH 463	Bioinformatics	3				BCH 361 - / P	-
BCH 477	Immunochemistry	2				BCH 471 - / P	-
BCH 493	Research Project	2			115	BCH 484 - / P	-
Total							9

code	course name	H	G	L	H	requisite	Yrl
BCH 496	Field Training in Biochemistry	5				BCH 340 - / P BCH 361 - / P BCH 484 - / P	-
Total							5

P : Pre-requisite

G : GPA level

H : Requisite HRS

C: Co- requisite MC : Mandetory Co--requisite NC: None Co- requisite L : Pre-course Level



Study Plan

Degree : Bachelor Faculty : Science Plan Hrs.: 136
 Semester : 441 Department : Biochemistry Plan Type : Major
 Edition : 7 Gender : Both
 Major : BCH Biochemistry

Council Session: Deanship Session : Faculty Session : Dept Session:
 Council Date: Deanship Date: Faculty Date: Dept Date :

Category :

Category :

Group Type : Elective 1 (8)

Group Type : Elective 1 (8)

code	course name	H	G	L	H	requisite	Yrl
IC 100	Studies in the prophet biography	2				IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
QURN 100	Quran Kareem	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
IC 101	Principles of Islamic Culture	2				IC 100 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
IC 102	Family in Islam	2				IC 100 - / NC IC 101 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
IC 103	Economic System in Islam	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC	-

code	course name	H	G	L	H	requisite	Yrl
IC 104	Islamic Political System	2				IC 109 - / NC QURN 100 - / NC IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
IC 105	Human Rights	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
IC 106	Medical Jurisprudence	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
IC 107	Professional Ethics	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
IC 108	Current Issues	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC	-

P : Pre-requisite

G : GPA level

H : Requisite HRS

C: Co- requisite MC : Mandetory Co--requisite NC: None Co- requisite L : Pre-course Level



Study Plan

Degree : Bachelor Faculty : Science Plan Hrs.: 136
 Semester : 441 Department : Biochemistry Plan Type : Major
 Edition : 7 Gender : Both
 Major : BCH Biochemistry

Council Session: Deanship Session : Faculty Session : Dept Session:
 Council Date: Deanship Date: Faculty Date: Dept Date :

Category :

Group Type : Elective 1 (8)

code	course name	H	G	L	H	requisite	Yrl
						IC 106 - / NC IC 107 - / NC IC 109 - / NC QURN 100 - / NC	
IC 109	Development Role of Women	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC QURN 100 - / NC	-
Total							22

Category :

Group Type : Elective 1 (14)

code	course name	H	G	L	H	requisite	Yrl
MBI 250	General Virology	3				MBI 140 - / P	-
MBI 260	General Bacteriology	3				MBI 140 - / P	-
CHEM341	Heterocyclic Organic Chemistry	2				CHEM108 - / P	-
BCH 350	Plant Biochemistry	2				-	-
ZOOL352	Principles of Genetics	2				-	-
FSN 420	FOOD BIOTECHNOLOGY	2				-	-
BCH 476	Chemistry of Antibiotics	2				-	-
Total							16

code	course name	H	G	L	H	requisite	Yrl
BCH 472	Biochemistry of Biological Fluids	3				BCH 320 - / P	-
BCH 473	Biomarkers in Health & Diseases	3				BCH 320 - / P	-
Total							6

code	course name	H	G	L	H	requisite	Yrl
BCH	Biophysics	2				BCH 340 - / P	-

Category :

Group Type : Elective 1 (14)

code	course name	H	G	L	H	requisite	Yrl
434							
BCH 450	Biochemistry of Specialized Tissues	2				BCH 340 - / P	-
Total							4
code	course name	H	G	L	H	requisite	Yrl
BCH 436	Nanotechnology	2				BCH 332 - / P	-
BCH 441	Bioenergetics	2				BCH 320 - / P	-
BCH 454	Toxicology & Carcinogens	2				BCH 440 - / P	-
BCH 464	Gene Expression	2				BCH 361 - / P	-
BCH 465	Molecular Genetics	2				BCH 303 - / P	-
BCH 466	Molecular Basis of Cancer	2				BCH 361 - / P BCH 452 - / P	-
Total							12

P : Pre-requisite

G : GPA level

H : Requisite HRS

C: Co- requisite MC : Mandetory Co--requisite NC: None Co- requisite L : Pre-course Level