

Bachelor of Science in Biochemistry -- 120 Credits

JBIOCHM-BA (RG 4735)

Effective September 2009

GENERAL EDUCATION REQUIREMENTS (RG 245)

COMPETENCY AREAS - See Approved List of GenEd Courses

(RQ 736)

WRITING (RQL 736-10, 20)	CR	Satisfied/Term
Engcmp 0003 or 0005	3	
Engcmp 0004 or 0006	3	
Select one of the following options (RQL 736-30, 40)		
1 Primary Writing OR 2 Writing Enhanced courses		
	3	
	3	

(RQ 760)

SPEAKING (Select one option below)		
Option A: Any 3 Speaking Enhanced Courses (RQL 760-30)		
	3	
	3	
	3	
Option B: 1 course from each area below (RQL 760-10, 20)		
Any Primary Speaking Course		
	3	
Any Speaking Enhanced Course		
	3	

(RQ 886)

BASIC ALGEBRA & QUANTITATIVE REASONING		
The following requirements may be satisfied through placement exams; UPJ courses, transfer or College in High School courses		
Basic Algebra Requirement (RQL 886-10)	CR	Satisfied/Term
Satisfied by:		
Quantitative Reasoning Requirement (RQL 886-20)		
Satisfied by:		

KNOWLEDGE AREAS - See Approved List of GenEd Courses

(RQL 722-10 thru -60)

Social Science - 12 credits minimum		
Select one of the following options		
A. Select 1 course from 4 different disciplines		
B. Select 1 course from 3 different disciplines		
AND 1 follow-up course in any one of those 3		
Anthropology		
Economics		
Geography		
History		
Political Science		
Sociology		
Follow-up course		

(RQL 725 -50 thru -130)

Humanities - 12 credits minimum		
Select one of the following options		
A. Select 1 course from 4 different disciplines		
B. Select 1 course from 3 different disciplines		
AND 1 follow-up course in any one of those 3		
Communication		
English Literature		
English Writing		
Fine Arts		
Foreign Language		
Journalism		
Music		
Philosophy		
Theatre		
Follow-up course		

(RQ 1612)

Natural Science - 12 credits minimum		
Fulfilled by required courses	12	

MAJOR REQUIREMENTS (RG 4735)

(RQL 1967-10)

Required Biology Courses		
Biol 0110	General Biology 1	3
Biol 0111	General Biology 1 Lab	1
Biol 0120	General Biology 2	3
Biol 0121	General Biology 2 Lab	1

(RQL 1967-30)

Required Mathematics Courses		
Math 0221	Analytic Geom & Calc 1	4
Math 0231	Analytic Geom & Calc 2	4

(RQL 1967-40)

Required Physics Courses		
Phys 0150	Physics 1	4
Phys 0151	Physics 1 Lab	1
Phys 0152	Physics 2	4
Phys 0153	Physics 2 Lab	1

(RQL 1967-20)

Required Chemistry Courses		
Chem 0111	General Chemistry 1	3
Chem 0112	General Chemistry 2	3
Chem 0113	General Chemistry 1 Lab	1
Chem 0114	General Chemistry 2 Lab	1
Chem 0231	Organic Chemistry 1	4
Chem 0232	Organic Chemistry 2	4
Chem 0233	Organic Chemistry 1 Lab	1
Chem 0234	Organic Chemistry 2 Lab	1
Chem 0325	Analytical Chemistry	4
Chem 1131	Inorganic Chemistry	3
Chem 1133	Synthesis & Char Lab	2
Chem 1321	Biochemistry 1	3
Chem 1323	Biochemistry Lab	1
Chem 1322	Biochemistry 2	3
Chem 1341	Physical Chemistry 1	3

(RQL 1968-10, 20, 30)

Biology Electives - Cellular Focus		
Required	CR	Satisfied/Term
Biol 0360	Cell Biology	3
and Biol 0361	Cell Biology Lab	1
Select Biol 1125/1225 or Biol 1130/1230		
Biol 1125	Animal Physiology	3
and Biol 1225	Animal Physiology Lab	1
Biol 1130	Biology of Plants	3
and Biol 1230	Biology of Plants Lab	1
Select one additional Biology Elective below		
Biol 1135	Developmental Biology	3
Biol 1185	Microbiology	4
Biol 1186	Immunology	3

(RQL 1968-40, 50)

Biology Electives - Cellular Focus		
Required	CR	Satisfied/Term
Biol 0350	Genetics	4
Biol 1137	Molecular Genetics	3
Select Biol 1125/1225 or Biol 1130/1230		
Biol 1125	Animal Physiology	3
and Biol 1225	Animal Physiology Lab	1
Biol 1130	Biology of Plants	3
and Biol 1230	Biology of Plants Lab	1

FREE ELECTIVES

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Free electives are the balance of credits required for graduation (120) that are not used to satisfy competencies, knowledge areas, major requirements, electives, or any related area required by the department.

IMPORTANT INFORMATION:

This sheet is an unofficial representation of the major requirements and the information is subject to change. It is not an official record of academic progress and should not be treated as such. Official degree information can only be obtained through the Division Office or the Office of the Registrar.

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