

Bachelor of Science in Chemistry -- 120 Credits

JCHEM-BS (RG 287)

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 1812)

Natural Science - 12 credits minimum		
Fulfilled by required courses	12	

MAJOR REQUIREMENTS (RG 287)

(RQL 0849-10)

Required Courses	CR	Satisfied/Term
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 1327 Instrumental Analysis	4	
Chem 1341 Physical Chemistry 1	3	
Chem 1342 Physical Chemistry 2	3	
Chem 1343 Physical Chemistry Lab	2	
Math 0221 Analytic Geom & Calc 1	4	
Math 0231 Analytic Geom & Calc 2	4	
Math 0241 Analytic Geom & Calc 3	4	
Phys 0150 Physics 1	4	
Phys 0151 Physics 1 Lab	1	
Phys 0152 Physics 2	4	
Phys 0153 Physics 2 Lab	1	

(RQL 0851-10, 20)

Chemistry Electives		
Select 12 credits from the following:		
	CR	Satisfied/Term
Chem 1133 Synthesis & Characterization	1	
Chem 1321 Biochemistry 1	3	
Chem 1322 Biochemistry 2	3	
Chem 1323 Biochemistry Lab	1	
Chem 1325 Spectral Analysis	3	
Chem 1329 Chemical Separations	2	
Chem 1330 Topics in Organic Chem	3	
Chem 1331 Polymer Chemistry	3	
Chem 1332 Medicinal Chemistry	3	
Chem 1351 Green Chem & Sustainability	3	
Chem 1360# Independent Study	3	
Chem 1371# Undergraduate Research	3	

NOTE: # Only 4 credits of Independent Study and or Undergraduate Research may be used as Chemistry Electives

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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