(For students admitted in 2012-13 under the 3-year degree)

Curriculum for BSc in Chemistry

General Requirements

Students are required to complete the following general requirements for graduation in addition to program specific requirements:

Required Courses in English Communication
Common Core Requirements
Required Course in Physical Education

For details please refer to the section "General Requirements" on this website.

Program Specific Requirements

Credit(s)

Required courses

	CHEM 2118	Organic Chemistry I	4
	CHEM 2218	Inorganic Chemistry I	4
	CHEM 2310	Fundamentals of Analytical Chemistry	3
	CHEM 2418	Physical Chemistry I	4
	CHEM 2558	Synthetic Laboratory I	4
	CHEM 2578	Molecular Characterization Laboratory I	4
	CHEM 3120	Organic Chemistry II	3
	CHEM 3220	Inorganic Chemistry II	3
	CHEM 3320	Instrumental Analysis	3
	CHEM 3420	Physical Chemistry II	3
(1)	CHEM 3568	Synthetic Laboratory II	4
(1)	CHEM 3588	Molecular Characterization Laboratory II	4
	CHEM 3918	Chemical Information	1
	CHEM 3928	Chemistry Undergraduate Seminar	1
(2)	MATH 1018	Concise Calculus	4
	MATH 2010	Multivariable Calculus and Basic Probability	3
	MATH 2351	Introduction to Differential Equations	3
(3)	COMP 1001	Exploring Multimedia and Internet Computing	3

Elective courses

	Elective types		Minimum no. of courses	Minimum total credits
(4)	CHEM	Chemistry Elective	3	9
	FREE	Free Elective	3	9

Notes:

(1) Students may seek departmental approval to replace these two courses with CHEM 4680 plus a Chemistry elective totaling at least eight credits.

(2) Students entering with grade D or above in AL Pure Mathematics take a free elective in Fall.

(3) This course may be replaced by another COMP course upon approval by the Department.

(4) CHEM 4680 and CHEM 4688 are two possible electives.

A minimum of 102 credits is required for the BSc program in Chemistry. Students must take additional course(s) and/or elective(s) of higher-than-required credit value to meet this minimum total of 102 credits.