A TYPICAL SCHEDULE OF COURSES FOR B.S. DEGREE

Following this schedule will allow the well prepared student to meet the minimum requirements for graduation. Many variations are possible. In planning a schedule, bear in mind that CHEM:2021, CHEM:3110, CHEM:3120, CHEM:2230, CHEM:2240, CHEM:3250, CHEM:2420, CHEM:3430, CHEM:3440, CHEM:3530, and CHEM:4270 are offered only once a year in the semester indicated. Also, this schedule contains the maximum number (47) of semester hours of chemistry that can be counted toward the 120 required for graduation. Thus, if a chemistry course is chosen as an elective, or if more hours of Undergraduate Research are taken, these hours must be in addition to those in the schedule.

FIRST YEAR

Fall Semester	**s.h.**	**Spring Semester**	**s.h.**
Principles of Chemistry I CHEM:1110	4	Principles of Chemistry II CHEM:1120	4
Mathematics MATH:1020	4	Calculus I MATH:1850[a]	4
Rhetoric	4	Rhetoric or Literature	4
GE or World Language	6	GE or World Language	3

SECOND YEAR

Fall Semester	**s.h.**	**Spring Semester**	**s.h.**
Organic Chemistry I CHEM:2230	3	Organic Chemistry II CHEM:2240	3
Fundamentals of Chemical Measurements CHEM:2021	3	Organic Lab 4:142 CHEM:2420	3
Calculus II MATH:1860[a]	4	Inorganic Chemistry CHEM:3250	3
Physics I PHYS:1611[a]	4	Physics II PHYS:1612[a]	4
GE or World Language	3	GE or World Language	4

THIRD YEAR

Fall Semester	**s.h.**	**Spring Semester**	**s.h.**
Analytical Chem I CHEM:3110	3	Analytical Chem II CHEM:3120	3
Physical Chemistry II CHEM:4432[b]	3	Physical Chemistry I CHEM:4431[b]	3
Inorganic Lab CHEM:3530	3	Analytical Measurements CHEM:3430	3
Foreign Language	4	World Language	4
GE or electives	3		

FOURTH YEAR

Fall Semester	**s.h.**	**Spring Semester**	**s.h.**
Physical Measurements CHEM:3440	3	Undergrad Research CHEM:3994	2
Advanced Inorganic Chem CHEM:4270	3	World Language, GE or electives	12
Undergrad Research CHEM:3994	2		
World Language, GE or electives	6		

[a] Chemistry majors are advised to take Physics PHYS:1611, PHYS:1612 and Calculus MATH:1850, MATH:1860

[b] Chemistry majors should take CHEM:4432 in the Fall and CHEM:4431 in the Spring.

ALTERNATIVE SCHEDULE OF COURSES FOR B.S. DEGREE

A typical schedule of courses for students beginning in General Chemistry I, CHEM:1070, and wishing to pursue a major in chemistry. Two possible scenarios are considered; (i) an option to take summer courses and graduate in 8 semesters, (ii) an option to graduate in 9 semesters. Other schedules are possible and may be more appropriate for a given student: consult with a chemistry advisor.

Option (i):

FIRST YEAR

Fall Semester	**s.h.**	**Spring Semester**	**s.h.**
General Chemistry I CHEM:1070	3	Principles of Chemistry I CHEM:1110	4
Mathematics MATH:1020	4	Calculus I MATH:1850 (or MATH:1550)[a]	4
Rhetoric	4	Rhetoric or Literature	4
GE or World Language	6	GE or World Language	3

Summer Semester	**s.h.**
Principles of Chemistry II CHEM:1120 (or equivalent transfer course)	4

SECOND YEAR

Fall Semester	**s.h.**	**Spring Semester**	**s.h.**
Organic Chemistry I CHEM:2230	3	Organic Chemistry II CHEM:2240	3
Fundamentals of Chemical Measurements CHEM:2021	3	Organic Lab CHEM:2420 (or CHEM:2410)	3
Calculus II MATH:1860 (or MATH:1560)[a]	4	Inorganic Chemistry CHEM:3250	3
Physics I PHYS:1611 (or PHYS:1511)[a]	4	Physics II PHYS:1612 (or PHYS:1512)[a]	4
GE or World Language	3	GE or World Language	3

THIRD YEAR

Fall Semester	**s.h.**	**Spring Semester**	**s.h.**
Analytical Chem I CHEM:3110	3	Analytical Chem II CHEM:3120	3
Physical Chemistry II CHEM:4432[b]	3	Physical Chemistry I CHEM:4431[b]	3
Inorganic Lab CHEM:3530	3	Analytical Measurements CHEM:3430	3
World Language	4	World Language	4
GE or electives	3	GE or electives	3

FOURTH YEAR

Fall Semester	**s.h.**	**Spring Semester**	**s.h.**
Physical Measurements CHEM:3440	3	Undergrad Research CHEM:3994	2
Advanced Inorganic Chem CHEM:4270	3	World Language, GE or electives	12
Undergrad Research CHEM:3994	2		
World Language, GE or electives	6		

Option (ii):

FIRST YEAR

Fall Semester	**s.h.**	**Spring Semester**	**s.h.**
General Chemistry I CHEM:1070	3	Principles of Chemistry I CHEM:1110	4
Mathematics MATH:1020	4	Calculus I MATH:1850 (MATH:1550)[a]	4
Rhetoric	4	Rhetoric or Literature	4
GE or World Language	6	GE or World Language	3

SECOND YEAR

Fall Semester	**s.h.**	**Spring Semester**	**s.h.**
Principles of Chemistry II CHEM:1120	4	Organic Chemistry I CHEM:2210	3
Calculus II MATH:1860 (MATH:1560)[a]	4	Physics II PHYS:1612 (PHYS:1512)[a]	4
Physics I PHYS:1611 (PHYS:1511)[a]	4	GE or World Language	6
GE or World Language	3		

THIRD YEAR

Fall Semester	**s.h.**	**Spring Semester**	**s.h.**
Organic Chemistry II CHEM:2220	3	Physical Chemistry I CHEM:4431[b]	3
Organic Lab CHEM:2410	3	World Language, GE or electives	6
Fundamentals of Chemical Measurements CHEM:2021	3	Inorganic Chemistry CHEM:3250	3
World Language, GE or electives	6		

FOURTH YEAR

Fall Semester	**s.h.**	**Spring Semester**	**s.h.**
Analytical Chem I CHEM:3110	3	Analytical Chem II CHEM:3120	3
Physical Chemistry II CHEM:4432[b]	3	Analytical Measurements CHEM:3430	3
Physical Measurements CHEM:3440	3	Undergrad Research CHEM:3994	2
World Language, GE or electives	6	World Language, GE or electives	4

FIFTH YEAR

Fall Semester	**s.h.**
Inorganic Lab CHEM:3530	3
Advanced Inorganic Chem CHEM:4270	3
Undergrad Research CHEM:3994	2

[a] Chemistry majors are advised to take Physics PHYS:1611, PHYS:1612 and Calculus MATH:1850, MATH:1860
[b] Chemistry majors should take CHEM:4432 in the Fall and CHEM:4431 in the Spring.

A possible schedule of courses for transfer students who have completed two years at a community college with the assumption that the organic chemistry, calculus and physics requirement have been met. Due to the varied background of transfer students, this schedule describes only one scenario: consult with a chemistry advisor to design the schedule most compatible for your background.

THIRD YEAR

Fall Semester	**s.h.**	**Spring Semester**	**s.h.**
Analytical Chem I CHEM:3110	3	Analytical Chem II CHEM:3120	3
Physical Chemistry II CHEM:4432 [a]	3	Physical Chemistry I CHEM:4431[a]	3
Fundamentals of Chemical Measurements CHEM:2021	3	Inorganic Chemistry CHEM:3250	2
World Language, GE or electives	6	World Language, GE or electives	6

FOURTH YEAR

Fall Semester	**s.h.**	**Spring Semester**	**s.h.**
Inorganic Lab CHEM:3530	3	Analytical Measurements CHEM:3430	3
Advanced Inorganic Chem CHEM:4270	3	Undergrad Research CHEM:3994	2
Physical Measurements CHEM:3440	3	World Language, GE or electives	9
World Language, GE or electives	6		

[a] Chemistry majors should take CHEM:4432 (4:132) in the Fall and CHEM:4431 (4:131) in the Spring.