

Bachelor of Science (B.S.) Degree with Major in Chemistry

Sample Four-Year Plan Starting in Odd Year

First Year Fall (Odd Year)

BBL	1013	Old Testament Survey
CHM	1124	General Chemistry I
COR	1002	Gateway Seminar
EGL	1013	English I: Composition
MTH	1134	Calculus I

Total Hours 16

First Year Spring (Even Year)

BBL	1023	New Testament Survey
CHM	1134	General Chemistry II
EGL	1023	English II: Literary Analysis/Research
MTH	1144	Calculus II

Total Hours 14

Second Year Fall (Even Year)

CHM	3134	Organic Chemistry I
HST	2013	Integrated Humanities I
PHY	2114	General Physics I
BBL	2022	Essentials of Christian Formation
	___2	Elective

Total Hours 15

Second Year Spring (Odd Year)

CHM	3144	Organic Chemistry II
HST	2023	Integrated Humanities II
MTH	2103	Applied Statistics for Scientists
PHY	2124	General Physics II
	___2	Whole Person Wellness Elective

Total Hours 16

Third Year Fall (Odd Year)

CHM	3183	Advanced Inorganic Chemistry
CHM	3121	Integrated Chemistry Lab
CHM	___3	Chemistry Elective
	___3	Arts & Humanities (AH) Elective
	___3	Intercultural Engagement Elective
	___3	Elective

Total Hours 16

Third Year Spring (Even Year)

BBL	2013	Essentials of Evangelical Theology
CHM	4123	Physical Chemistry-Thermodynamic
CHM	3121	Integrated Chemistry Lab
CHM	___3	Elective
	___3	Elective
	___2	Elective

Total Hours 15

Fourth Year Fall (Even Year)

CHM	3114	Advanced Analytical Chemistry
CHM	3121	Integrated Chemistry Lab
	___3	Social/Behavioral Sci. (SBS) Elective
	___3	SBS or AH Elective (see above)
	___3	Elective

Total Hours 14

Fourth Year Spring (Odd Year) – Major Field Test Exam

CHM	4133	Physical Chemistry-Quantum
CHM	4501	Chemistry/Biochemistry Capstone
GSC	4133	Faith and Science
CHM	3121	Integrated Chemistry Lab
	___3	Elective
	___3	Elective

Total Hours 14

Total Hours for Four Years: 120

Chemistry Electives

CHM 1101	Chemistry Practicum (Request)	CHM 3151-4	Selected Topics
CHM 2131	Introduction to Computational Chemistry	CHM 4221-3	Chemistry Research (Every)
CHM 3101	Chemistry Practicum: Teaching (Request)	CHM 4310	Chemistry Internship (Every)
CHM 3163	Biochemistry I (Fall)		
CHM 3173	Biochemistry II (Spring, ODD)		

Bachelor of Science (B.S.) Degree with Major in Chemistry

Sample Four-Year Plan Starting in Even Year

First Year Fall (Even Year)

BBL	1013	Old Testament Survey
CHM	1124	General Chemistry I
COR	1002	Gateway Seminar
EGL	1013	English I: Composition
MTH	1134	Calculus I

Total Hours 16

First Year Spring (Odd Year)

BBL	1023	New Testament Survey
CHM	1134	General Chemistry II
EGL	1023	English II: Literary Analysis/Research
MTH	1144	Calculus II
	___2	Whole Person Wellness Elective

Total Hours 16

Second Year Fall (Odd Year)

CHM	3134	Organic Chemistry I
HST	2013	Integrated Humanities I
PHY	2114	General Physics I
BBL	2022	Essentials of Christian Formation
	___2	Elective

Total Hours 15

Second Year Spring (Even Year)

CHM	3144	Organic Chemistry II
HST	2023	Integrated Humanities II
MTH	2103	Applied Statistics for Scientists
PHY	2124	General Physics II

Total Hours 14

Third Year Fall (Even Year)

CHM	3114	Advanced Analytical Chemistry
CHM	3121	Integrated Chemistry Lab
CHM	___3	Chemistry Elective
	___3	Arts & Humanities (AH) Elective
	___3	Elective
	___2	Elective

Total Hours 16

Third Year Spring (Odd Year)

BBL	2013	Essentials of Evangelical Theology
CHM	4133	Physical Chemistry-Quantum
CHM	3121	Integrated Chemistry Lab
	___4	Elective
	___3	Elective
	___2	Elective

Total Hours 16

Fourth Year Fall (Odd Year)

CHM	3183	Advanced Inorganic Chemistry
CHM	3121	Integrated Chemistry Lab
	___3	Social/Behavioral Sci. (SBS) Elective
	___3	SBS or AH Elective (see above)
	___3	Elective

Total Hours 13

Fourth Year Spring (Even Year) – Major Field Test Exam

BIO	4103	Bioethics (or GSC 4133)
BIO	4501	Chemistry/Biochemistry Capstone
CHM	4123	Physical Chemistry-Thermodynamic
CHM	3121	Integrated Chemistry Lab
	___3	Intercultural Engagement Elective
	___3	Elective

Total Hours 14

Total Hours for Four Years: 120

Chemistry Electives

CHM 1101	Chemistry Practicum (Request)
CHM 2131	Introduction to Computational Chemistry
CHM 3101	Chemistry Practicum: Teaching (Request)
CHM 3163	Biochemistry I (Fall)
CHM 3173	Biochemistry II (Spring, ODD)

CHM 3151-4	Selected Topics
CHM 4221-3	Chemistry Research (Every)
CHM 4310	Chemistry Internship (Every)