

Bachelor of Arts (B.A.) 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
	___2	Whole Person Wellness Elective
Total Hours 14		

First Year Spring (Even Year)

BBL	1023	New Testament Survey
BIO	1124	Cell Biology
CHM	1134	General Chemistry II
EGL	1023	English II: Literary Analysis/Research
MTH	1123	Survey of Calculus
Total Hours 17		

Second Year Fall (Even Year)

CHM	3134	Organic Chemistry I
HST	2013	Integrated Humanities I
PHY	1114	Fundamental of Physics I
BBL	2022	Essentials of Christian Formation
CHM	2131	Introduction to Comp Chem
CHM	2161	Chemical Communication Literacy
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	1124	Fundamental of Physics II
	___2	Elective
Total Hours 16		

Third Year Fall (Odd Year)

BIO/CHM	___4	Chemistry BA Elective
CHM	3121	Integrated Chemistry Lab
LS	___3	Foreign Language
	___3	Arts & Humanities (AH) Elective
	___3	Intercultural Engagement Elective
Total Hours 14		

Third Year Spring (Even Year)

BBL	2013	Essentials of Evangelical Theology
CHM	3121	Integrated Chemistry Lab
BIO/CHM	___4	Chemistry BA Elective
LS	___3	Foreign Language
	___3	Elective
Total Hours 14		

Fourth Year Fall (Even Year)

CHM	3114	Advanced Analytical Chemistry
CHM	3121	Integrated Chemistry Lab
LS	___3	Foreign Language
	___3	Social/Behavioral Sci. (SBS) Elective
	___3	SBS or AH Elective (see above)
	___2	Elective
Total Hours 16		

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

CHM	4223	Chemistry Research
CHM	4501	Chemistry/Biochemistry Capstone
GSC	4133	Faith and Science
CHM	3121	Integrated Chemistry Lab
LS	___3	Foreign Language
	___3	Elective
Total Hours 14		

Total Hours for Four Years: 120

Chemistry BA Electives

BIO 2174 Genetics (Spring)
 BIO 3174 Molecular Cell Biology (Fall)
 BIO 3334 Microbiology (Spring)

BIO 3524 Human Physiology (Spring)
 BIO 3614 Virology (Fall, EVEN)
 CHM 3163 Biochemistry I (Fall)

Bachelor of Arts (B.A.) 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
	__2	Whole Person Wellness Elective
Total Hours 14		

First Year Spring (Odd Year)

BBL	1023	New Testament Survey
BIO	1124	Cell Biology
CHM	1134	General Chemistry II
EGL	1023	English II: Literary Analysis/Research
MTH	1123	Survey of Calculus
Total Hours 17		

Second Year Fall (Odd Year)

CHM	3134	Organic Chemistry I
HST	2013	Integrated Humanities I
PHY	1114	Fundamental of Physics I
BBL	2022	Essentials of Christian Formation
CHM	2131	Introduction to Comp Chem
CHM	2161	Chemical Communication Literacy
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	1124	Fundamental of Physics II
	__2	Elective
Total Hours 16		

Third Year Fall (Even Year)

CHM	3114	Advanced Analytical Chemistry
BIO/CHM	_4	Chemistry BA Elective
CHM	3121	Integrated Chemistry Lab
LS	__3	Foreign Language
	__3	Arts & Humanities (AH) Elective
Total Hours 15		

Third Year Spring (Odd Year)

BBL	2013	Essentials of Evangelical Theology
CHM	3121	Integrated Chemistry Lab
BIO/CHM	_4	Chemistry BA Elective
LS	__3	Foreign Language
	__3	Elective
Total Hours 14		

Fourth Year Fall (Odd Year)

CHM	3121	Integrated Chemistry Lab
LS	__3	Foreign Language
	__3	Social/Behavioral Sci. (SBS) Elective
	__3	SBS or AH Elective
	__3	Elective
	__2	Elective
Total Hours 15		

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

BIO	4103	Bioethics (or GSC 4133)
BIO	4501	Chemistry/Biochemistry Capstone
CHM	4223	Chemistry Research
CHM	3121	Integrated Chemistry Lab
LS	__3	Foreign Language
	__3	Intercultural Engagement Elective
Total Hours 14		

Total Hours for Four Years: 120

Chemistry BA Electives

BIO 2174 Genetics (Spring)
 BIO 3174 Molecular Cell Biology (Fall)
 BIO 3334 Microbiology (Spring)

BIO 3524 Human Physiology (Spring)
 BIO 3614 Virology (Fall, EVEN)
 CHM 3163 Biochemistry I (Fall)