Bachelor of Arts (B.A.) Degree with Major in Chemistry

Sample Four-Year Plan Starting in Odd Year

First Year Fall (Odd Year)			First Year Spring (Even Year)				
BBL	1013	Old Testament Survey	BBL	1023	New Testament Survey		
CHM	1124	General Chemistry I	BIO	1124	Cell Biology		
COR	1002	Gateway Seminar	CHM	1134	General Chemistry II		
EGL	1013	English I: Composition	EGL	1023	English II: Literary Analysis/Research		
	2	Whole Person Wellness Elective	MTH	1123	Survey of Calculus		
Total Hours 14		s 14	Total Hours 17				
Second Year Fall (Even Year)		Second Year Spring (Odd Year)					
CHM	3134	Organic Chemistry I	CHM	3144	Organic Chemistry II		
HST	2013	Integrated Humanities I	HST	2023	Integrated Humanities II		
PHY	1114	Fundamental of Physics I	MTH	2103	Applied Statistics for Scientists		
BBL	2022	Essentials of Christian Formation	PHY	1124	Fundamental of Physics II		
CHM	2131	Introduction to Comp Chem		2	Elective		
CHM	2161	Chemical Communication Literacy	Total Hours 16				
Total Hours 15							
			Third `	Year Spr	ing (Even Year)		
Third Y	ear Fall	(Odd Year)	Third '	Year Spr 2013			
		(Odd Year) Chemistry BA Elective		_	Essentials of Evangelical Theology		
	IM4		BBL CHM	2013 3121	Essentials of Evangelical Theology		
BIO/CH	IM4 3121	Chemistry BA Elective	BBL CHM	2013 3121	Essentials of Evangelical Theology Integrated Chemistry Lab		
BIO/CH CHM	IM4 3121	Chemistry BA Elective Integrated Chemistry Lab	BBL CHM BIO/CI	2013 3121 HM4	Essentials of Evangelical Theology Integrated Chemistry Lab Chemistry BA Elective		
BIO/CH CHM	IM4 3121 3	Chemistry BA Elective Integrated Chemistry Lab Foreign Language	BBL CHM BIO/CI LS	2013 3121 HM_4 3	Essentials of Evangelical Theology Integrated Chemistry Lab Chemistry BA Elective Foreign Language Elective		
BIO/CH CHM LS	3121 3 3	Chemistry BA Elective Integrated Chemistry Lab Foreign Language Arts & Humanities (AH) Elective Intercultural Engagement Elective	BBL CHM BIO/CI LS	2013 3121 HM4 3 3	Essentials of Evangelical Theology Integrated Chemistry Lab Chemistry BA Elective Foreign Language Elective		
BIO/CH CHM LS	3121 3 3 3	Chemistry BA Elective Integrated Chemistry Lab Foreign Language Arts & Humanities (AH) Elective Intercultural Engagement Elective	BBL CHM BIO/CI LS	2013 3121 HM_4 3 3 otal Hou	Essentials of Evangelical Theology Integrated Chemistry Lab Chemistry BA Elective Foreign Language Elective		
BIO/CH CHM LS	3121 3 3 3 tal Hou	Chemistry BA Elective Integrated Chemistry Lab Foreign Language Arts & Humanities (AH) Elective Intercultural Engagement Elective rs 14	BBL CHM BIO/CI LS	2013 3121 HM_4 3 3 otal Hou	Essentials of Evangelical Theology Integrated Chemistry Lab Chemistry BA Elective Foreign Language Elective rs 14 pring (Odd Year) — Major Field Test Exam		
BIO/CH CHM LS	3121 3 3 3 tal Hou	Chemistry BA Elective Integrated Chemistry Lab Foreign Language Arts & Humanities (AH) Elective Intercultural Engagement Elective	BBL CHM BIO/CI LS	2013 3121 HM_4 3 3 otal Hou	Essentials of Evangelical Theology Integrated Chemistry Lab Chemistry BA Elective Foreign Language Elective rs 14 oring (Odd Year) — Major Field Test Exam Chemistry Research		
BIO/CH CHM LS Tot	IM_4 3121 3 3 3 tal Hou	Chemistry BA Elective Integrated Chemistry Lab Foreign Language Arts & Humanities (AH) Elective Intercultural Engagement Elective rs 14 Ill (Even Year) Advanced Analytical Chemistry	BBL CHM BIO/CI LS To Fourth	2013 3121 HM_4 3 3 otal Hou	Essentials of Evangelical Theology Integrated Chemistry Lab Chemistry BA Elective Foreign Language Elective rs 14 oring (Odd Year) — Major Field Test Exam Chemistry Research		
BIO/CH CHM LS Tot	IM_4 3121 3 3 tal Hour	Chemistry BA Elective Integrated Chemistry Lab Foreign Language Arts & Humanities (AH) Elective Intercultural Engagement Elective rs 14	BBL CHM BIO/CI LS To Fourth CHM	2013 3121 HM_4 3 3 otal Hou • Year Sp 4223 4501	Essentials of Evangelical Theology Integrated Chemistry Lab Chemistry BA Elective Foreign Language Elective rs 14 oring (Odd Year) — Major Field Test Exam Chemistry Research Chemistry/Biochemistry Capstone		
BIO/CH CHM LS Tota Fourth CHM CHM	IM_4 3121 3 3 tal Hour Year Fa 3114 3121	Chemistry BA Elective Integrated Chemistry Lab Foreign Language Arts & Humanities (AH) Elective Intercultural Engagement Elective rs 14 All (Even Year) Advanced Analytical Chemistry Integrated Chemistry Lab	BBL CHM BIO/CI LS To Fourth CHM CHM GSC	2013 3121 HM_4 3 3 otal Hou • Year Sp 4223 4501 4133	Essentials of Evangelical Theology Integrated Chemistry Lab Chemistry BA Elective Foreign Language Elective rs 14 Oring (Odd Year) — Major Field Test Exam Chemistry Research Chemistry/Biochemistry Capstone Faith and Science		
BIO/CH CHM LS Tota Fourth CHM CHM	IM_4 3121 3 3 tal Hour Year Fa 3114 3121 3	Chemistry BA Elective Integrated Chemistry Lab Foreign Language Arts & Humanities (AH) Elective Intercultural Engagement Elective rs 14 All (Even Year) Advanced Analytical Chemistry Integrated Chemistry Lab Foreign Language	BBL CHM BIO/CI LS To Fourth CHM CHM GSC CHM	2013 3121 HM_4 3 3 otal Hou • Year Sp 4223 4501 4133 3121	Essentials of Evangelical Theology Integrated Chemistry Lab Chemistry BA Elective Foreign Language Elective rs 14 oring (Odd Year) — Major Field Test Exam Chemistry Research Chemistry/Biochemistry Capstone Faith and Science Integrated Chemistry Lab		

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)

Revised: 6/12/2023 SQN

Total Hours 16

Bachelor of Arts (B.A.) Degree with Major in Chemistry

Sample Four-Year Plan Starting in Even Year

First Year Fall (Even Year)			First Year Spring (Odd Year)				
BBL	1013	Old Testament Survey	BBL	1023	New Testament Survey		
CHM	1124	General Chemistry I	BIO	1124	Cell Biology		
COR	1002	Gateway Seminar	CHM	1134	General Chemistry II		
EGL	1013	English I: Composition	EGL	1023	English II: Literary Analysis/Research		
	2	Whole Person Wellness Elective	MTH	1123	Survey of Calculus		
Total Hours 14			Total Hours 17				
			Secon	Second Year Spring (Even Year)			
Second Year Fall (Odd Year)			СНМ	3144			
CHM	3134	Organic Chemistry I	HST	2023	Integrated Humanities II		
HST	2013	Integrated Humanities I	MTH	2103	Applied Statistics for Scientists		
PHY	1114	Fundamental of Physics I	PHY	1124	Fundamental of Physics II		
BBL	2022	Essentials of Christian Formation		2	Elective		
CHM	2131	Introduction to Comp Chem	Total Hours 16				
CHM	2161	Chemical Communication Literacy					
Total Hours 15			Third Year Spring (Odd Year)				
			BBL	2013			
Third \	/oar Eall	(Evan Vaar)	CHM	3121	ο,		
Third Year Fall (Even Year) CHM 3114 Advanced Analytical Chemistry				3121 HM 4	•		
		Chemistry BA Elective	LS	3	Foreign Language		
CHM	3121	Integrated Chemistry Lab	L3	3 3	Elective		
LS	3	Foreign Language	To	Total Hours 14			
LJ	3	Arts & Humanities (AH) Elective	10	tarriours	5 14		
Total Hours 15							
Total Hours 13			Fourth Year Spring (Even Year) — Major Field Test Exam				
			BIO	4103	Bioethics (or GSC 4133)		
Fourth Year Fall (Odd Year)			BIO	4501	Chemistry/Biochemistry Capstone		
CHM	3121	Integrated Chemistry Lab	CHM	4223	Chemistry Research		
LS	3	Foreign Language	CHM	3121	Integrated Chemistry Lab		
	3	Social/Behavioral Sci. (SBS) Elective	LS	3	Foreign Language		
	3	SBS or AH Elective		3	Intercultural Engagement Elective		
	3 Elective			tal Hour	s 14		
	2	Elective					

Total Hours for Four Years: 120

Chemistry BA Electives

BIO 2174 Genetics (Spring)

BIO 3174 Molecular Cell Biology (Fall)

BIO 3334 Microbiology (Spring)

CHN

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

Revised: 6/12/2023 SQN

Total Hours 15