

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

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		

Second Year Fall (Even Year)

BBL	1023	New Testament Survey
CHM	3134	Organic Chemistry I
HST	2013	Integrated Humanities I
PHY	2114	General Physics I
Total Hours 14		

Third Year Fall (Odd Year)

BIO	3174	Molecular Cell Biology
CHM	3183	Advanced Inorganic Chemistry
CHM	3121	Integrated Chemistry Lab
BBL	2022	Essentials of Christian Formation
	___3	Biology/Chemistry Elective
	___2	Elective
Total Hours 15		

Fourth Year Fall (Even Year)

CHM	3114	Advanced Analytical Chemistry
CHM	3163	Biochemistry I
CHM	3121	Integrated Chemistry Lab
	___3	Arts & Humanities (AH) Elective
	___3	SBS or AH Elective (see above)
Total Hours 14		

First Year Spring (Even Year)

BIO	1124	Cell Biology
CHM	1134	General Chemistry II
EGL	1023	English II: Literary Analysis/Research
MTH	1144	Calculus II
Total Hours 15		

Second Year Spring (Odd Year)

CHM	3144	Organic Chemistry II
HST	2023	Integrated Humanities II
PHY	2124	General Physics II
	___3	Elective
	___2	Whole Person Wellness Elective
Total Hours 16		

Third Year Spring (Even Year)

BBL	2013	Essentials of Evangelical Theology
BIO	4103	Bioethics (or GSC 4133 senior year)
CHM	3121	Integrated Chemistry Lab
	___3	Social/Behavioral Sci. (SBS) Elective
	___3	Elective
	___3	Elective
Total Hours 16		

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

CHM	3173	Biochemistry II
CHM	4501	Chemistry/Biochemistry Capstone
CHM	3121	Integrated Chemistry Lab
	___4	Biochemistry Elective
	___3	Intercultural Engagement Elective
	___3	Elective
Total Hours 15		

Total Hours for Four Years: 121

Biochemistry Electives

BIO 3334 Microbiology (Spring)	CHM 3151-4 Selected Topics (Request)
BIO 3524 Human Physiology (Spring)	CHM 4221-3 Chemistry Research (Every)
BIO 3614 Virology (Fall, EVEN)	CHM 4310 Chemistry Internship (Every)
BIO 4221-3 Biological Research (Every)	CHM 4123 Phys Chem Thermodynamics (Spring, EVEN)
CHM 2131 Introduction to Computational Chemistry	CHM 4133 Phys Chem Quantum (Spring, ODD)

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

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)

BIO	1124	Cell Biology
CHM	1134	General Chemistry II
EGL	1023	English II: Literary Analysis/Research
MTH	1144	Calculus II
Total Hours		15

Second Year Fall (Odd Year)

BBL	1023	New Testament Survey
CHM	3134	Organic Chemistry I
HST	2013	Integrated Humanities I
PHY	2114	General Physics I
	___2	Elective
Total Hours		16

Second Year Spring (Even Year)

CHM	3144	Organic Chemistry II
HST	2023	Integrated Humanities II
PHY	2124	General Physics II
	___2	Whole Person Wellness Elective
	___3	Social/Behavioral Sci. (SBS) Elective
Total Hours		16

Third Year Fall (Even Year)

CHM	3114	Advanced Analytical Chemistry
CHM	3163	Biochemistry I
CHM	3121	Integrated Chemistry Lab
BBL	2022	Essentials of Christian Formation
	___3	Biochemistry Elective
	___3	Elective
Total Hours		16

Third Year Spring (Odd Year)

BBL	2013	Essentials of Evangelical Theology
CHM	3173	Biochemistry II
CHM	3121	Integrated Chemistry Lab
	___4	Biochemistry Elective
	___3	Elective
Total Hours		14

Fourth Year Fall (Odd Year)

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CHM	3183	Advanced Inorganic Chemistry
CHM	3121	Integrated Chemistry Lab
	___3	Arts & Humanities (AH) Elective
	___3	SBS or AH Elective (see above)
Total Hours		14

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

BIO	4103	Bioethics (or GSC 4133)
CHM	4501	Chemistry/Biochemistry Capstone
CHM	3121	Integrated Chemistry Lab
	___3	Intercultural Engagement Elective
	___3	Elective
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Total Hours		14

Total Hours for Four Years: 121

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