

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

Sample Four-Year Plan Starting in Even Year

First Year Fall (Even Year)

BBL	1023	New Testament Survey
CHM	1124	General Chemistry I
COR	1002	Gateway Seminar
EGL	1013	English I
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
KIN	1__1	Wellness Activity
MTH	1144	Calculus II
Total Hours		16

Second Year Fall (Odd Year)

BBL	1013	Old Testament Survey
CHM	3134	Organic Chemistry I
HST	1013	Western Civilization I
PHY	2114	General Physics I
	__3	Social Science Elective
Total Hours		17

Second Year Spring (Even Year)

CHM	3144	Organic Chemistry II
HST	1023	Western Civilization II
KIN	1002	Wellness for Life
PHY	2124	General Physics II
	__3	Global Studies Elective
Total Hours		16

Third Year Fall (Even Year)

CHM	3114	Advanced Analytical Chemistry†
CHM	3164	Biochemistry I†
	__4	Biology/Chemistry Elective
	__3	Elective
Total Hours		15

Third Year Spring (Odd Year)

BBL	3003	Evangelical Theology
CHM	3174	Biochemistry II†
POL	2013	American Government
	__4	Biology/Chemistry Elective
Total Hours		14

Fourth Year Fall (Odd Year)

BIO	3174	Molecular Cell Biology†
CHM	3183	Advanced Inorganic Chemistry†
BBL	4002	Capstone Seminar in Christian Life
	__3	Arts Elective
	__3	Philosophy Elective
Total Hours		15

Fourth Year Spring (Even Year)

BIO	4103	Bioethics†
CHM	4124	Physical Chem Thermodynamics†
CHM	4501	Chemistry/Biochemistry Capstone
EGL	4003	Masterpieces of Literature
	__3	Elective
	__2	Elective
Total Hours		16

Total Hours for Four Years: 125

† Note: The order of alternate year courses will differ depending on whether a student begins their studies at JBU in an even/odd year.

Biochemistry Electives

BIO 3334 Microbiology (Spring)
BIO 3524 Human Physiology (Spring)
BIO 4124 Selected Topics (Fall, ODD)
BIO 4221/22/23 Biological Research (Every)

CHM 4134 Phys. Chem Quantum (Spring, ODD)
CHM 4221-3 Chemistry Research (Every)
CHM 4310 Chemistry Internship (Every)

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CHM	1134	General Chemistry II
EGL	1023	English II
KIN	1002	Wellness for Life
MTH	1144	Calculus II
	__2	Elective
Total Hours		18

First Year Summer (Odd Year)

HST	1013	Western Civilization I
POL	2013	American Government
Total Hours		6

Second Year Fall (Odd Year)

BIO	3174	Molecular Cell Biology†
CHM	3134	Organic Chemistry I
CHM	3183	Advanced Inorganic Chemistry†
PHY	2114	General Physics I
BBL	1023	New Testament Survey
Total Hours		18

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PHY	2124	General Physics II†
	__3	Arts Elective
	__3	Social Science Elective
Total Hours		18

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Total Hours		6

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CHM	3164	Biochemistry I†
	__4	Biology/Chemistry Elective
	__3	Global Studies Elective
	__3	Elective
Total Hours		18

Third Year Spring (Odd Year)

GSC	4133	Faith and Science
CHM	3174	Biochemistry II†
CHM	4501	Chemistry/Biochemistry Capstone
	__4	Biology/Chemistry Elective
	__3	Philosophy Elective
	__3	Elective
Total Hours		18

Third Year Summer (Odd Year)

BBL	4002	Capstone Seminar in Christian Life
EGL	4003	Masterpieces of Literature
Total Hours		5

Total Hours for Three Years: 125

† Note: A variation on this plan is required for students starting in odd years due to alternate year courses.

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GSC	4133	Faith and Science
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BBL	4002	Capstone Seminar in Christian Life
EGL	4003	Masterpieces of Literature
Total Hours		5

Total Hours for Three Years: 124

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