

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

## Sample Four-Year Plan Starting in Even Year

### First Year Fall (Even Year)

BBL	1013	Old Testament Survey
BIO	1144	Plant & Animal Diversity
CHM	1124	General Chemistry I
COR	1002	Gateway Seminar
EGL	1013	English I
Total Hours	16	

### First Year Spring (Odd Year)

BIO	1124	Cell Biology
CHM	1134	General Chemistry II
EGL	1023	English II
KIN	1002	Wellness for Life
MTH	1123	Survey of Calculus
Total Hours	16	

### Second Year Fall (Odd Year)

BBL	1023	New Testament Survey
BIO	2184	Ecology & Evolution
HST	1013	Western Civilization I
	___3	Social Science Elective Minor/Elective
Total Hours	16-17	

### Second Year Spring (Even Year)

BIO	2174	Genetics
HST	1023	Western Civilization II
KIN	1__1	Wellness Activity
MTH	2103	Applied Statistics for Scientists Minor/Elective
Total Hours	14-15	

### Third Year Fall (Even Year)

BIO	___4	Biology Elective
BIO	___4	Biology Elective
BIO	3302	Field Experience
POL	2013	American Government Minor/Elective
Total Hours	16-17	

### Third Year Spring (Odd Year)

BIO	___4	Biology Elective
BIO	___4	Biology Elective
BBL	3003	Evangelical Theology Minor/Elective
Total Hours	14-15	

### Fourth Year Fall (Odd Year)

BBL	4002	Capstone Seminar in Christian Life
BIO	___4	Biology Elective
	___3	Arts Elective
	___3	Philosophy Elective Minor/Elective
Total Hours	15-16	

### Fourth Year Spring (Even Year)

BIO	4103	Bioethics†
BIO	4501	Biology Capstone
EGL	4003	Masterpieces of Literature
	___3	Global Studies Elective Minor/Elective Minor/Elective
Total Hours	16-17	

**Total Hours for Four Years: 124+**

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

### Biology Electives

BIO 3101	Biology Teaching Practicum (Upon request)
BIO 3144	Marine Biology (Spring, even yrs.)
BIO 3174	Molecular Cell Biology (Fall)
BIO 3201	Cadaver Dissection (Fall)
BIO 3314	Molecular Genetics (Spring, odd yrs.)
BIO 3334	Microbiology (Spring)
BIO 3514	Human Anatomy (Fall)

BIO 3524	Human Physiology (Spring)
BIO 3614	Virology (Fall, even yrs.)
BIO 4103	Bioethics (Spring, even yrs.)
BIO 4121-4	Selected Topics in Biology (Fall, odd yrs.)
BIO 4221-3	Biological Research (Every)
BIO 4310	Biological Internship (Every)
CHM 3164	Biochemistry I (Fall)

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BIO	1144	Plant & Animal Diversity
CHM	1124	General Chemistry I
COR	1002	Gateway Seminar
EGL	1013	English I
KIN	1002	Wellness for Life
Total Hours	18	

### First Year Spring (Odd Year)

BBL	1023	New Testament Survey
BIO	1124	Cell Biology
CHM	1134	General Chemistry II
EGL	1023	English II
KIN	1__1	Wellness Activity
MTH	1123	Survey of Calculus
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	2184	Ecology & Evolution
BIO	4124	Sel. Topics in Biology† (Bio elective)
	__3	Global Studies Elective
	__3	Social Science Elective
		Minor/Elective
Total Hours	17-18	

### Second Year Spring (Even Year)

BIO	2174	Genetics
BIO	3302	Field Experience
BIO	3524	Human Physiology (Biology elective)
MTH	2103	Applied Statistics for Scientists
	__3	Minor/Elective
	__2	Minor/Elective
Total Hours	18	

### Second Year Summer (Even Year)

BBL	3003	Evangelical Theology
HST	1023	Western Civilization II
Total Hours	6	

### Third Year Fall (Even Year)

BIO	3174	Molec. Cell Biology (Biology elective)
BIO	3514	Human Anatomy (Biology elective)
	__3	Philosophy Elective
	__4	Minor/Elective
	__3	Minor/Elective
Total Hours	18	

### Third Year Spring (Odd Year)

BIO	3334	Microbiology (Biology elective)
BIO	4501	Biology Capstone
GSC	4133	Faith and Science
	__3	Arts Elective
	__4	Minor/Elective
	__3	Minor/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: 124-125**

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

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

## Sample Four-Year Plan Starting in Odd Year

### First Year Fall (Odd Year)

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CHM	1124	General Chemistry I
COR	1002	Gateway Seminar
EGL	1013	English I
Total Hours	16	

### First Year Spring (Even Year)

BIO	1124	Cell Biology
CHM	1134	General Chemistry II
EGL	1023	English II
KIN	1002	Wellness for Life
MTH	1123	Survey of Calculus
Total Hours	16	

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BIO	2184	Ecology & Evolution
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BIO	2174	Genetics
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MTH	2103	Applied Statistics for Scientists Minor/Elective
Total Hours	14-15	

### Third Year Fall (Odd Year)

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BIO	4103	Bioethics†
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### Fourth Year Fall (Even Year)

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BIO 3614 Virology (Fall, even yrs.)  
BIO 4103 Bioethics (Spring, even yrs.)  
BIO 4121-4 Selected Topics in Biology (Fall, odd yrs.)  
BIO 4221-3 Biological Research (Every)  
BIO 4310 Biology Internship  
CHM 3164 Biochemistry I (Fall)

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	__4	Minor/Elective
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BIO	3334	Microbiology (Biology elective)
BIO	4103	Bioethics†
BIO	4501	Biology Capstone
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	__4	Minor/Elective
	__3	Minor/Elective
Total Hours		18

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

**Total Hours for Three Years: 124-125**

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