

Biology

Pre-Medical, Pre-Physical Therapy, Pre-Dental, and Pre-Pharmacy Tracks

Suggested Course Sequencing: Recommend 15 – 18 semester hours;
however, attending summer school will reduce semester hours.

Freshman year

Semester 1	Cr
BIOL 200 General Biology	4
CHEM 111 General Chemistry I [a]	5
MATH 231 Calculus I or MATH 129 and MATH 125 [b]	4(3)
BIBL 111 Essential Christianity	3
GSCI 100 University Seminar	1
EXER 101 Lifetime Health Awareness	1

18(17)

Semester 2	Cr
BIOL 201 Zoology	4
CHEM 112 General Chemistry II	5
BIBL 115 Old Testament Literature	3
CPSC 101 Introduction to Personal Computers	3
ENGL 111 Composition	3

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Sophomore year

Semester 1	Cr
CHEM 271 Organic Chemistry I	4
PHYS 211 General Physics I or PHYS 231	5
BIBL 116 New Testament Literature	3
Reading and Imagination Option	3

15

Semester 2	Cr
BIOL 335 Microbiology	4
CHEM 272 Organic Chemistry II (not needed for PT)	4
PHYS 212 General Physics II or PHYS 232	5
SOCI 111 Introduction to Sociology	3

16

Junior year

Semester 1	Cr
BIOL 311 Human Anatomy & Physiology I	4
BIOL 338 Molecular and Classical Genetics	4
CHEM 375 Biochemistry	4
PSYC 112 Introduction to Psychology	3

15

Semester 2	Cr
BIOL 312 Human Anatomy & Physiology II	4
BIOL 437 Cell Biology [c]	3
MATH 210 Elementary Statistics	3
ENGL 341 Technical Writing	3

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Senior year

Semester 1	Cr
BIOL 202 Botany	4
BIOL 496 Senior Seminar	1
FIN 138 Personal Finance	3
Artistic Expression Option	3
BIBL 360-370 Book Study	3

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Semester 2	Cr
Historical Inquiry Option	3
BIOL 342, BIOL 343, or BIOL 454 (choose one)	4
Humanities Option	3
ICST 454 Global Cultures & Compassion	3
THEO 320 Pentecost	3

16

Total minimum to graduate **124**
and must include at least **36** upper division credits

[a] Those not prepared for CHEM 111 should take CHEM 101 - Introduction to Chemistry.

[b] MATH 231 is a prerequisite for many graduate programs. Those not prepared for MATH 231 should take MATH 129 College Algebra and MATH 125 Trigonometry.

[c] BIOL 437 is offered as an alternate year class (Spring - Odd years)

Graduation requires an overall GPA of at least 2.0, and 30 of the 40 final credits must be taken at Evangel. The listing above only represents a suggested course sequencing as required to graduate with this major. Students are ultimately responsible for their own degree program. An academic advisor is assigned to the student for guidance in these matters, but the responsibility for meeting the requirements belongs to the student.

Department of Natural and Applied Sciences - Evangel University - 1111 N. Glenstone Ave - Springfield, MO 65802

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University Writing Proficiency and Placement Information

Writing Proficiency earned by . . . circle one: ENGL 111 ACT/SAT/CLT (Score:) AP CLEP IB
ACT English ≥ 26 or SAT Writing/Language (W/L) ≥ 33 , CLT Writing/Grammar (W/G) ≥ 32 : Student is proficient. Enroll in Effective Communication option. Refer to each term's "Core Options" document for available choices.

If transfer student has ENGL 111 composition only, enroll in a 200-level Effective Communication course.

If transfer student has a 200-level (or above) composition course, check for Speech course. If no Speech listed, enroll in COMM 211.

If transfer student has a 200-level composition course AND a Speech course, he or she is proficient.

If student has no test scores, enroll in ENGL 102.

ACT English = 24-25, SAT W/L 31-32, CLT W/G 30-31: take Writing Step-Up Exam in first semester.

ACT English 20-23, SAT W/L 28-30, CLT W/G 24-29: ENGL 111	3		Wellness Proficiency	Cr	<input checked="" type="checkbox"/>
ACT English 16-19, SAT W/L 23-27, CLT W/G 19-23: ENGL 102	2				
ACT English ≤ 15 , SAT W/L ≤ 22 , CLT W/G ≤ 18 : ENGL 100	1		EXER 101 Lifetime Health Awareness	1	

Core Curriculum Requirements

	Cr	<input checked="" type="checkbox"/>		Cr	<input checked="" type="checkbox"/>
GSCI 100 University Seminar	1		ENGL 341 Technical Writing	3	
BIBL 111 Essential Christianity	3		MATH 210 Elementary Statistics	3	
BIBL 115 Old Testament Literature	3		Historical Inquiry Option*	3	
BIBL 116 New Testament Literature	3		Artistic Expression Option*	3	
BIBL 360 - 370 Book Study (WPR)*	3		Behavioral and Social Sciences Option* (SOCI 111 recommended for Pre-Med)	3	
THEO 320 Pentecost	3		Humanities Option*	3	
ICST 454 Global Cultures & Compassion*	3		Healthy Relationships: PSYC 112	3	
Natural Science without Lab Option	3	NA	Christian Stewardship: FIN 138 Personal Finance	3	
Natural Science with Lab Option	4	NA	Reading and Imagination: ENGL 123	3	
*Refer to each term's "Core Options" document for available choices. WPR = Writing Proficiency Required: ENGL 111 or ACT English ≥ 26					

Program Requirements

	Cr	<input checked="" type="checkbox"/>		Cr	<input checked="" type="checkbox"/>
BIOL 200 General Biology	4		BIOL 312 Human Anatomy & Physiology II (<i>Elective; recommended for MCAT</i>)	4	
BIOL 201 Zoology	4		CHEM 111 General Chemistry I	5	
BIOL 202 Botany	4		CHEM 112 General Chemistry II	5	
BIOL 335 Microbiology	4		CHEM 271 Organic Chemistry I	4	
BIOL 338 Molecular and Classical Genetics	4		CHEM 272 Organic Chemistry II (<i>needed for Chemistry minor, optional for PT</i>)	4	
BIOL 342 Ecology, BIOL 343 Environmental Biology, or BIOL 454 Marine Biology (choose one)	4		CHEM 375 Biochemistry	4	
			MATH 231 Calculus I or [a] MATH 129 College Algebra/MATH 125 Trigonometry	3-4	
BIOL 437 Cell Biology	3		CPSC 101 Introduction to Personal Computers	3	
BIOL 496 Senior Seminar	1		PHYS 211 General Physics I (or PHYS 231)	5	
BIOL 311 Human Anatomy & Physiology I	4		PHYS 212 General Physics II (or PHYS 232)	5	

Minimum total credits to graduate 124

BIOL 311 & 312 are highly recommended for those desiring to pursue a medical, PT, or pharmacy career. CHEM 272 is also needed for the MCAT and will complete the chemistry minor.

[a] MATH 125 is required with MATH 129 if Trigonometry or PreCalculus is not taken in high school.