

Applied Mathematics-Biology

Suggested Course Sequencing: Recommend 15 – 17 semester hours;
however, attending summer school will reduce semester hours.

Freshman year

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

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Semester 2	Cr
MATH 232 Calculus II	4
MATH 210 Statistics	3
BIOL 201 Zoology	4
BIBL 115 Old Testament Literature	3
ENGL 111 Composition	3

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Sophomore year

Semester 1	Cr
MATH 233 Calculus III	4
PHYS 231 Engineering Physics I	5
CPSC 111 Introduction to Comp. Sci. or CPSC 141	3
BIBL 116 New Testament Literature	3
Effective Communication Option	3

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Semester 2	Cr
MATH 431 Differential Equations	3
BIOL Elective	4
FIN 138 Personal Finance	3
Historical Inquiry Option	3
PSYC 138 Psychology of Healthy Relationships	3

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Junior year

Semester 1	Cr
MATH 310 Probability and Statistical Inference	3
BIOL Elective	4
BIBL 360-370 Book Study	3
ICST 350 Global Connections	3
Reading and Imagination Option	3

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Semester 2	Cr
BIOL Elective	4
Artistic Expression Option	3
Behavioral and Social Sciences Option	3
Upper Division Electives	6

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Senior year

Semester 1	Cr
MATH 331 Linear Algebra	3
BIOL Elective	4
Humanities Option	3
THEO 320 Pentecost	3
Upper Division Elective	3

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Semester 2	Cr
Upper Division Electives	15

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

[a] Those not prepared for Calculus should take MATH 129 - College Algebra and Trigonometry.

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

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 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.

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University Writing Proficiency and Placement Information

Writing Proficiency earned by . . . circle one: ENGL 111 ACT/SAT/CLT (Score:) AP CLEP IE

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

Core Curriculum Requirements

	Cr	<input checked="" type="checkbox"/>		Cr	<input checked="" type="checkbox"/>
GSCI 100 University Seminar	1		Effective Communication Option (WPR)**	3	
BIBL 111 Essential Christianity	3		MATH 210 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*	3	
THEO 320 Pentecost	3		Humanities Option*	3	
ICST 350 Global Connections*	3		Healthy Relationships: PSYC 138 (Preferred) or 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			**ENGL/COMM 205 or 341; ENGL 211, 212, or 236 If student has ENGL 201 in transfer, enroll in COMM 211.		

Major Requirements (24 cr. MATH, 24 cr. BIOL, 5 CHEM, 5 cr. PHYS, 3 cr. CPSC hours required)

	Cr	<input checked="" type="checkbox"/>		Cr	<input checked="" type="checkbox"/>
Required Math Courses			Required Biology Courses		
MATH 210 Statistics	3		BIOL 200 General Biology	4	
MATH 231 Calculus I	4		BIOL 201 Zoology	4	
MATH 232 Calculus II	4		Elective Biology Courses (Select four)		
MATH 233 Calculus III	4		BIOL 202 Botany	4	
MATH 310 Probability and Statistical Inference	3		BIOL 235 Microbiology	4	
MATH 331 Linear Algebra	3		BIOL 342 Ecology	4	
MATH 431 Differential Equations	3		BIOL 343 Environmental Biology	4	
Required Chemistry Course			BIOL 311 Human Anatomy & Physiology I	4	
CHEM 111 General Chemistry I	5		BIOL 312 Human Anatomy & Physiology II	4	
Required Physics Course					
PHYS 231 Engineering Physics I	5				
Required Computer Science Course					
CPSC 111 Introduction to Computer Science or CPSC 141 Visual Basic Programming	3				
Minimum total credits to graduate				124	

*Refer to each term's advising handbook for options
WPR = Writing Proficiency Required