

Applied Mathematics-Physics

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
CHEM 111 General Chemistry I [b]	5
CPSC 111 Introduction to Computer Science	3
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
BIBL 115 Old Testament Literature	3
FIN 138 Personal Finance	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
BIBL 116 New Testament Literature	3
Effective Communication Option	3

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Semester 2	Cr
MATH 431 Differential Equations	3
PHYS 232 Engineering Physics II	5
Historical Inquiry Option	3
PSYC 138 Psychology of Healthy Relationships	3
Elective	3

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Junior year

Semester 1	Cr
MATH Elective	3
PHYS Elective	3
BIBL 360-370 Book Study	3
Reading and Imagination Option	3
Elective	3

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Semester 2	Cr
PHYS Upper Division Elective	3
Artistic Expression Option	3
Behavioral and Social Sciences Option	3
ICST 350 Global Connections	3
Upper Division Elective	3

15

Senior year

Semester 1	Cr
MATH Upper Division Elective	3
PHYS Upper Division Elective	3
Humanities Option	3
THEO 320 Pentecost	3
Upper Division Elective	3

15

Semester 2	Cr
PHYS Upper Division Electives	6
Upper Division Elective	3
Electives	6

15

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.

Applied Mathematics-Physics

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	EXER 101 Lifetime Health Awareness			1	<input type="checkbox"/>
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	<input checked="" type="checkbox"/>	Effective Communication Option (WPR)**	3	<input type="checkbox"/>
BIBL 111 Essential Christianity	3	<input type="checkbox"/>	MATH 210 Statistics	3	<input type="checkbox"/>
BIBL 115 Old Testament Literature	3	<input type="checkbox"/>	Historical Inquiry Option*	3	<input type="checkbox"/>
BIBL 116 New Testament Literature	3	<input type="checkbox"/>	Artistic Expression Option*	3	<input type="checkbox"/>
BIBL 360 - 370 Book Study (WPR)*	3	<input type="checkbox"/>	Behavioral and Social Sciences Option*	3	<input type="checkbox"/>
THEO 320 Pentecost	3	<input type="checkbox"/>	Humanities Option*	3	<input type="checkbox"/>
ICST 350 Global Connections*	3	<input type="checkbox"/>	Healthy Relationships: PSYC 138 (Preferred) or 112	3	<input type="checkbox"/>
Natural Science without Lab Option*	3	NA	Christian Stewardship: FIN 138 Personal Finance	3	<input type="checkbox"/>
Natural Science with Lab Option*	4	NA	Reading and Imagination: ENGL 123*	3	<input type="checkbox"/>
*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 MATH hours, 24 PHYS hours, 5 CHEM hours, 3 CPSC hours required)

	Cr	<input checked="" type="checkbox"/>		Cr	<input checked="" type="checkbox"/>
Required Math Courses			Required Physics Courses		
MATH 210 Statistics	3	<input type="checkbox"/>	PHYS 231 Engineering Physics I	5	<input type="checkbox"/>
MATH 231 Calculus I	4	<input type="checkbox"/>	PHYS 232 Engineering Physics II	5	<input type="checkbox"/>
MATH 232 Calculus II	4	<input type="checkbox"/>	Elective Physics Courses (Select five)		
MATH 233 Calculus III	4	<input type="checkbox"/>	PHYS 245 Circuit Analysis	3	<input type="checkbox"/>
MATH 431 Differential Equations	3	<input type="checkbox"/>	PHYS 342 Thermodynamics	3	<input type="checkbox"/>
Elective Math Courses (Select two)			PHYS 351 Statics	3	<input type="checkbox"/>
MATH 310 Probability and Statistical Inference	3	<input type="checkbox"/>	PHYS 352 Dynamics	3	<input type="checkbox"/>
MATH 331 Linear Algebra	3	<input type="checkbox"/>	PHYS 411 Modern Physics	3	<input type="checkbox"/>
MATH 432 Numerical Analysis	3	<input type="checkbox"/>	PHYS 412 Electromagnetism	3	<input type="checkbox"/>
Required Chemistry Course			CHEM 431 Physical Chemistry I	4	<input type="checkbox"/>
CHEM 111 General Chemistry I	5	<input type="checkbox"/>	Elective CPSC Courses (Select one)		
			CPSC 111 Introduction to Computer Science or CPSC 141 Visual Basic Programming	3	<input type="checkbox"/>
Minimum total credits to graduate				124	

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