

Applied Mathematics - Chemistry

Suggested Course Sequencing: Recommend 15 – 17 semester hours; however, attending summer school will reduce semester hours. Students should work with their academic advisor to choose electives based on their career plans.

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
	16

Semester 2	Cr
MATH 232 Calculus II	4
CHEM 112 General Chemistry II	5
BIBL 115 Old Testament Literature	3
ENGL 111 Composition	3
EXER 101 Lifetime Health Awareness	1
	16

Sophomore year

Semester 1	Cr
MATH 233 Calculus III	4
CHEM Elective	4
Behavioral and Social Sciences Option	3
BIBL 116 New Testament Literature	3
Effective Communication Option	3
	17

Semester 2	Cr
MATH 210 Elementary Statistics	3
MATH 431 Differential Equations	3
CHEM Elective	4
Historical Inquiry Option	3
PSYC 138 Psychology of Healthy Relationships	3
	16

Junior year

Semester 1	Cr
MATH 331 Linear Algebra	3
CHEM Upper Division Elective	4
PHYS 231 Engineering Physics I	5
Reading and Imagination Option	3
	15

Semester 2	Cr
MATH Upper Division Elective	3
PHYS 232 Engineering Physics II	5
Artistic Expression Option	3
BIBL 360-370 Book Study	3
ICST 454 Global Cultures & Compassion	3
	17

Senior year

Semester 1	Cr
CHEM Upper Division Elective	4
Upper Division Electives	6
THEO 320 Pentecost	3
CHEM 496 Senior Seminar	1
	14

Semester 2	Cr
CHEM Upper Division Elective	4
Elective	3
Humanities Option	3
FIN 138 Personal Finance	3
	13

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

[a] Those not prepared for MATH 231 Calculus I should take MATH 129 Precalculus Algebra

[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.

Name: _____

Date: _____

Advisor: _____

Applied Mathematics - Chemistry

University Writing Proficiency and Placement Information

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

ACT English \geq 26 or SAT Writing/Language (W/L) \geq 33, CLT Writing/Grammar (W/G) \geq 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	
ACT English \leq 15, SAT W/L \leq 22, CLT W/G \leq 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 Elementary Statistics	3	NA
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 454 Global Cultures & Compassion*	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.			**ENGL/COMM 205 or 341; ENGL 211, 212, or 236		
WPR = Writing Proficiency Required: ENGL 111 or ACT English \geq 26			If student has ENGL 201 in transfer, enroll in COMM 211.		

Major Requirements (24 MATH hours, 29 CHEM hours, 10 PHYS hours, 3 CPSC hours required)

	Cr	<input checked="" type="checkbox"/>		Cr	<input checked="" type="checkbox"/>
Required Math Courses			Required Chemistry Courses		
MATH 210 Elementary Statistics	3		CHEM 111 General Chemistry I	5	
MATH 231 Calculus I	4		CHEM 112 General Chemistry II	5	
MATH 232 Calculus II	4		CHEM 496 Senior Seminar	1	
MATH 233 Calculus III	4		Elective Chemistry Courses (Select five)		
MATH 331 Linear Algebra	3		CHEM 271 Organic Chemistry I	4	
MATH 431 Differential Equations	3		CHEM 272 Organic Chemistry II	4	
Elective Math Courses (Select one)			CHEM 331 Quantitative Analysis	4	
MATH 310 Probability and Statistical Inference	3		CHEM 332 Instrumental Analysis	4	
MATH 410 Data Science	3		CHEM 375 Biochemistry	4	
MATH 432 Numerical Analysis	3		CHEM 377 Environmental Chemistry	4	
Other Required Courses			CHEM 431 Physical Chemistry I	4	
PHYS 231 Engineering Physics I	5		CHEM 432 Physical Chemistry II	4	
PHYS 232 Engineering Physics II	5		CHEM 435 Inorganic Chemistry	3	
CPSC 111 Introduction to Computer Science	3		CHEM 445 Advanced Organic Chemistry	3	
Minimum total credits to graduate				124	

In order to meet the required 124 credits to graduate, a student may need to take additional elective credits. To reach the requirement of 36 upper level credits, additional upper level credits must be taken.

Revised SP25

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