

Chemistry Education

Secondary Education (Grades 9-12)

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 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 \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)* ENGL 341 recommended	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: (GSCI/PHIL 230)	3	NA
ICST 454 Global Cultures and Compassion	3		Healthy Relationships: PSYC 233 or 237	3	
Natural Science without Lab Option	3	NA	Christian Stewardship: FIN 138 Personal Finance	3	
Natural Science with Lab Option	3	NA	Reading and Imagination: ENGL 123 or 222	3	
*Refer to each term's "Core Options" document for available choices. WPR = Writing Proficiency Required: ENGL 111 or ACT English \geq 27			*ENGL/COMM 205 or 341 or ENGL 211, 212, or 236 If student has ENGL 201 in transfer, enroll in COMM 211.		

Professional Education Requirements

	Cr	<input checked="" type="checkbox"/>		Cr	<input checked="" type="checkbox"/>
EDUC 225 Intro. to Curriculum and Inst. Planning	3		EDUC 497 Secondary Practicum preferably taken with GSCI 336	1	
EDUC 220 Level I Field Experience	1		EDUC 421 Effective Engagement of the Learner	3	
EDUC 351-2 Analysis and Correction of Reading Difficulties - Secondary (Fall only)	3		EDUC 434 Assessment and Data-Based Decision Making	3	
EDUC 228 Instructional Strat. & Tech. in Secondary Content	3		EDUC 437 Student Teaching - Secondary	12	
EDUC 397 Secondary Mid-level Practicum	1		EDUC 427 Seminar in Student Teaching - Secondary	2	
EDUC 271 Education of the Exceptional & English Language Learner	3				
EDUC 352 Content Area Literacy (Spring only)	3				

Chemistry Content Area Certification

	Cr	<input checked="" type="checkbox"/>		Cr	<input checked="" type="checkbox"/>
CHEM 111 General Chemistry I	5		MATH 231 Calculus I or MATH 129 College Algebra	3-4	
CHEM 112 General Chemistry II	5		PHYS 110 Foundations of Physics or GSCI 115 Physical Science or PHYS 211 General Physics I or PHYS 231 Eng. Physics I	4	
CHEM 271 Organic Chemistry I	4		GSCI 113 Earth Science or GSCI 111 Soils or GSCI 112 Meteorology	4	
CHEM 331 Quantitative Analysis (Fall - Odd Years)	4		PHIL/GSCI 230 History and Philosophy of Science	3	
CHEM 375 Biochemistry	4		GSCI 336 Instructional Methods in Science	1	
CHEM 377 Environmental Chemistry or BIOL 343 Environmental Biology (rotating Fall years)	4		BIOL 200 General Biology	4	
Minimum total credits to graduate				124	

If MATH 129 is taken instead of MATH 231, 1 additional elective must be taken to attain 124 total credit hours.

EDUC 220 / EDUC 225 must be taken concurrently. WPR= Writing Proficiency Required

EDUC 351-2 must be taken by secondary majors; EDUC 228 & 397 taken concurrently; EDUC 427 & 437 taken during student teaching semester

Education majors are not required to take PSYC 112 as a prerequisite for required higher level PSYC courses.

Evangel's degree in Chemistry Education prepares graduates for licensure/certification within the State of Missouri. Requirements may differ from state to state. Consult professional requirement within a state of planned practice.

Chemistry Education Secondary Education (Grades 9-12)

Suggested Course Sequencing; Recommended 15 - 18 semester hours;
however, attending summer school will reduce semester hours.

Freshman year

Semester 1	Cr
CHEM 111 General Chemistry I	5
MATH 231 Calculus I (or MATH 129 in Spring)	4
BIBL 111 Essential Christianity	3
BIOL 200 General Biology	4
GSCI 100 University Seminar	1
	17

Semester 2	Cr
CHEM 112 General Chemistry II	5
GSCI 113 Earth Science	4
BIBL 115 Old Testament Literature	3
ENGL 111 Composition	3
EXER 101 Lifetime Health Awareness	1
	16

Sophomore year

Semester 1	Cr
CHEM 271 Organic Chemistry I	4
PHYS 110 Foundations of Physics (or PHYS 211 General Physics I or PHYS 231 Eng. Physics I)	4
Historical Inquiry Option	3
Reading and Imagination Option	3
EDUC 220 Level 1 Field Experience	1
EDUC 225 Intro to Curr & Instr Planning	3
	18

Semester 2	Cr
BIBL 116 New Testament Literature	3
EDUC 271 Ed of the Exceptional & English Language Learner	3
GSCI 230 History and Philosophy of Science	3
ENGL 341 Technical Writing	3
Artistic Expression Option	3
Elective	3
	18

Junior year

Semester 1	Cr
CHEM 375 Biochemistry	4
CHEM 377 Environmental Chemistry or BIOL 343 Env Bio	4
EDUC 351 Analysis and Correction of Reading Difficulties	3
EDUC 228 Instructional Strat. & Tech in Sec. Content	3
EDUC 397 Level II Field Experience	1
	15

Semester 2	Cr
EDUC 352 Content Area Literacy	3
EDUC 421 Effective Engagement of the Learner	3
BIBL 360-370 Book Study	3
ICST 454 Global Cultures and Compassion	3
PSYC 233 Adolescent Psychology or PSYC 237 Lifespan	3
GSCI 336 Instructional Methods in Science	1
EDUC 497 Secondary Practicum	1
	17

Senior year

Semester 1	Cr
CHEM 331 Quantitative Analysis	4
EDUC 434 Assess. & Data-Based Decision Making	3
FIN 138 Personal Finance	3
THEO 320 Pentecost	3
Behavioral and Social Sciences Option	3
	16

Semester 2	Cr
EDUC 427 Seminar in Student Teaching	2
EDUC 437 Student Teaching	12
	14

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

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.