

Chemistry Education Secondary Education (Grades 9-12)

University Proficiencies

Writing Proficiency

Writing Proficiency earned by . . . circle one: ACT/SAT (score:) AP CLEP IB

If **ACT English ≥ 26, SAT Writing ≥ 590**, student is proficient. Place in Effective Communication option.*

If **transfer student has a 200-level (or above) composition course**, take WPE to fulfill Effective Communication requirements.

If **transfer student has taken only 100-level composition**, take WPE to qualify for 200-level Effective Communication course.

If **ACT English = 24–25, SAT Writing = 550–580**, take Writing Proficiency Exam in first semester. If
 pass, place in Effective Communication option*; if no pass, place in ENGL 111 the next semester.

If ACT English = 20-23, SAT Writing = 470-540, ENGL 111	3	Wellness Proficiency	
If ACT English = 16-19, SAT Writing = 390-460, ENGL 102	2	Complete in University Seminar. Check Advising Handbook.	0
If ACT English ≤ 15, SAT Writing ≤ 380, ENGL 100	1		

Core Curriculum Requirements

	Cr	<input checked="" type="checkbox"/>		Cr	<input checked="" type="checkbox"/>
GSCI 100 University Seminar	1		ENGL 341 Technical Writing (WPR)	3	
BIBL 111 Essential Christianity	3		EDUC 434 Assessment and Data Based Decision	3	
BIBL 115 Old Testament Literature	3		Historical Inquiry Option*: Strongly recommend HIST 111 Am Hist I or GOVT 170 Intro Am Gov	3	
BIBL 116 New Testament Literature	3				
BIBL 360-370 Book Study* (WPR)	3		Reading and Imagination: ENGL 123 or HUMN 230*	3	
ICST 350 Global Connections*	3		Artistic Expression Option*	3	
THEO 320 Pentecost	3		Behavioral and Social Sciences Option*	3	
GSCI 115 Physical Science with lab	4	NA	PSYC 235 Adolescent or PSYC 237 Lifespan	3	
BIOL 101 Biological Science with lab	4	NA	Christian Stewardship: FIN 138 Personal Finance	3	
Humanities Option*	3				

Professional Education Requirements

	Cr	<input checked="" type="checkbox"/>		Cr	<input checked="" type="checkbox"/>
EDUC 225 Intro C&I Planning	3		EDUC 397 Secondary Mid-level Practicum	1	
EDUC 220 Level I Field Expience	1		EDUC 497 Secondary Practicum	1	
EDUC 228 Inst Strat/Tech Cont Area	3		EDUC 421 Eff Eng Learner	3	
EDUC 351-2 Analy Corr Read Def	3		EDUC 427 Seminar in Student Teaching	2	
EDUC 271 Exceptional Student	3		EDUC 437 Student Teaching	12	
EDUC 352 Content Area Literacy	3				

Chemistry Content Area Certification

	Cr	<input checked="" type="checkbox"/>		Cr	<input checked="" type="checkbox"/>
CHEM 111 General Chemistry I	5		CPSC 101 Personal Computing (proficiency)**	3	
CHEM 112 General Chemistry II	5		GSCI 111 Geology or GSCI 112 Meteorology with lab	4	
CHEM 271 Organic Chemistry I	4		GSCI 230 History and Philosophy of Science	3	
CHEM 272 Organic Chemistry II	4		CHEM 336 Methods of Teaching Science	3	
CHEM 378 Organic Analysis and Methods	2		PHYS 211 General Physics I or GSCI 115 Physical Science with lab	4-5	
CHEM 375 Biochemistry	4		BIOL 101 Biological Science with lab	4	
CHEM 377 Environmental Chemistry	4		BIOL 341 Marine Biology or BIOL 343 Env. Biology	4	
			MATH 231 Calculus I or MATH 129	3-4	
Minimum total credits to graduate				124	

**CPSC 101 must be taken for 3 credits if the proficiency exam is not passed. The proficiency exam is to be taken in the first semester.

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| <p>[1] EDUC 219 (Foundations of Education) and EDUC 220 (Elementary Practicum) must be taken concurrently.</p> <p>[2] EDUC 427, EDUC 437, EDUC 476 taken during student teaching semester.</p> <p>[3] Secondary education students need to take EDUC 222 and EDUC 397 concurrently.</p> <p>[4] Recommend that Secondary education students take GSCI 336 and EDUC 497 concurrently.</p> <p>[5] Education majors are not required to take PSYC 112 as a prerequisite for required higher level PSYC courses.</p> | <p>*Refer to each term's advising handbook for options</p> <p>WPR = Writing Proficiency Required</p> |
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