



Fall 2024 through current	B.A.Ed in Science Education - Chemistry	MINIMUM TOTAL CREDIT HOURS: 122
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UNIVERSITY CORE CURRICULUM REQUIREMENTS (42-45 HOURS)	MAJOR REQUIREMENTS FOR CONTENT AREA (33 HOURS)	PROFESSIONAL EDUCATION REQUIREMENTS (29 HOURS)
First Year Writing (6 hours)	CHEM 105/115 General Chemistry I/ General Chemistry I Laboratory	EDSP 308 Intro to Special Education
WRIT 101, WRIT 100, or HON 101		EDCI 352 Education, Society & the K-12 Learner ♦
WRIT 102, LIBA 102, or HON 102	CHEM 106/116 General Chemistry II/ General Chemistry II Laboratory	EDSP 327 Classroom Mgt & Behavior Interventions
Social/Behavioral Science (9 hours)	CHEM 221/225 Elementary Organic Chemistry I/ Elementary Organic Chemistry Laboratory I	**EDCI 353 Planning & Teaching Strategies for Effective Classroom Practice ♦
PSY 201	CHEM 222/226 Elementary Organic Chemistry II/ Elementary Organic Chemistry Laboratory II	**EDSE 400 Principles of Education ♦
HST (100 level suggested)	CHEM 314 Quantitative Analysis (<i>fall only</i>)	**EDSE 446 Special Methods I: Science
HST (100 level suggested)	CHEM 331 Physical Chemistry I (<i>fall only</i>)	***EDLE 480 Student Teaching: Secondary Education ♦
Math/Science (15 - 18 hours)	CHEM 351 Individual Research	***EDCI 419 Classroom Assessment
MATH 121 - College Algebra or higher (<i>not to include Math 245 or 246</i>)	CHEM 381 Chemistry for Teachers I (<i>spring only</i>)	
Physical Science w/lab (ASTR103, ASTR 104, CHEM 103/113, CHEM 105/115, GEOL 101/111, GEOL 102/112, GEOL 104/114, GEOL 105/115, PHYS 107, PHYS 108, PHYS 211/212, PHYS 213/223) *CHEM 105/115 suggested*	CHEM 382 Chemistry for Teachers II (<i>fall only</i>)	
Biological Science w/ lab *BISC 160/161 suggested*		
Science Elective (lab not required) (ASTR 101, ASTR103, ASTR 104, BISC 162, CHEM 103, CHEM 105, GEOL 101, GEOL 102, GEOL 104, GEOL 105, GEOL 107, GEOL 120, PHYS 107, PHYS 108, PHYS 211, PHYS 213)		
Math or Science Elective (<i>not to include Math 245 or 246</i>)		ELECTIVES (6 HOURS)
Humanities/Fine Arts (12 hours)		
ENG (220 - 226)		
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Fine Arts (AH 101, 102, 201, 202; DANC 200; MUS 102, 103, 104; THEA 201)		
Humanities Elective (Suggested: AAS, CLC, ENG, GST, HON, HST, LING, PHIL, REL, SST, ARAB, CHIN, FR, GERM, GR, KOR, ITAL, JAPN, LAT, PORT, RUSS, SPAN, SWA)		
RELATED AREA (18 HOURS)	EXPERIENTIAL LEARNING	
ASTR /GEOL (6 credits)	(Ex: Study Abroad, Internship)	
BISC 160/161 General Biology I/ General Biology I Laboratory	♦ Denotes all courses that contain experiential learning experiences.	
MATH 261 Calculus I		
PHYS 213/223 General Physics I/ Laboratory Physics I OR PHYS 211/221 Physics for Science and Engineering I/ Lab for Science & Engineering I		
PHYS 214/224 General Physics II/ Laboratory Physics II OR PHYS 212/222 Physics for Science and Engineering II/ Lab for Science & Engineering II		

YEAR	FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
FRESHMAN	WRIT 101, WRIT 100, or HON 101	3	WRIT 102, LIBA 102, or HON 102	3
	MATH 261	3	HST 100 level	3
	^CHEM 105/115	4	CHEM 106/116	4
	#BISC 160/161	4	MATH 262 (recommended)	3
	HST 100 level	3	PSY 201	3
	TOTAL CREDIT HOURS	17	TOTAL CREDIT HOURS	16
SOPHOMORE	PHYS 213/223	4	PHYS 214/224	4
	CHEM 221/225	4	CHEM 222/226	4
	ENG 220- 226	3	ENG 220-226	3
	Fine Art	3	ASTR or GEOL	3
	Elective	3	Humanities	3
	TOTAL CREDIT HOURS	17	TOTAL CREDIT HOURS	17
JUNIOR	EDSP 308	3	EDSP 327	3
	EDCI 352	2	**EDCI 353	3
	CHEM 331 (pre req is Cal 2)	3	CHEM 381	4
	CHEM 314	4	CHEM 351	2
	Elective	3	Elective	3
	TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15
SENIOR	**EDSE 400	3	***EDCI 419	3
	EDSE 447	3	*EDLE 480	9
	Elective (if needed)	3		
	CHEM 382	4		
	ASTR or GEOL	3		
	TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	12

INFORMATION CONCERNING GENERAL RULES, REGULATIONS AND MINIMUM REQUIREMENTS

^PREREQUISITE FOR CHEM 105: Minimum ACT mathematics score of 24 (SAT 560 or SATR 580) or ALEKS PPL 76, or B minimum in Chem 101, or B minimum in Math 121 and 123, or B minimum in Math 125 or higher.

#PREREQUISITE FOR BISC 160: Minimum ACT mathematics score of 24 (SAT 560 or SATR 580) or ALEKS PPL 76, or B minimum in Chem 101, or B minimum in Math 121 and 123, or B minimum in Math 125 or Math 261.

NOTE: **Denotes admission to Phase II required; ***Denotes admission to Phase III required; ♦Denotes all courses that contain experiential learning experiences.

DEGREE REQUIREMENTS:

1. At least **122** semester hours
2. At least **30** semester hours or residence credit in the school
3. Not more than **61** semester hours of credit from a community transfer college
4. No more than **6** of the last **21** hours may be transfer credit.

Teacher Education Program Admission to Phase II:

1. Completion of core curriculum and EDCI 352 (minimum grade C)
2. Minimum GPA of 2.75 on Core
3. Appropriate Praxis Core, SAT, or ACT scores OR overall 3.0 GPA on 60 + hours
4. Must complete education courses with a "C" or better.

Refer to the Undergraduate Academic Regulations section in this catalog for all university degree requirements.

