

2023-2024 Chemistry Teaching Licensure, 6-12

Revised September 2023

NOTE: It is *YOUR* responsibility as a student to consult the appropriate catalog and your academic adviser

Prefix	Hrs	Class Name	Year	Notes
35 General Education			33 General Education credits + 2 cr HLED 173, + 0-6 credits foreign language	
BUAD 128	3	Personal Finance [IN-9]	Fr/So	ECON 213 may substitute
COMM 135	3	Comm. & Public Speaking [IN-3]	Fr/So	Need 40 total upper division (UD) credit hours, 18 that are within major 3 Writing (W) classes must be taken: 1 from within major, 1 from outside major, and 1 from any area
CPT 100	1	Computer Concepts [IN-5]	Fr/So	
ENGL 101	3	Critical Think in Ac Rdg & Wrtg I [IN-2]	Fr/So	
ENGL 102	3	Critical Think in Ac Rdg & Wrtg II [IN-2]	Fr/So	
HLED 173	2	Health for Life [SDA Certification]	Fr/So	
HIST	3	HISTorical Perspectives [IN-6]		
✓ MATH 215	0	Statistics [IN-4]		May be met as an <i>option</i> in major
NOND 101	1	Southern Connections [IN-1]	Fr	Take first semester
PEAC 125	1	Fitness for Collegiate Life [P-1-a]	Fr	Required for all students. Must take even if transfer student.
PEAC/RECR/ADAC	2	Physical Activity courses [P-1-b]		Choose from ADAC, PEAC or RECR
PEAC 425	1	Fit for Hire [P-1-c]	Sr	
✓ PSYC 128	0	Developmental Psychology [IN-8][SDA]	Fr	Met in professional ed
RELB 125	3	Life and Teachings of Jesus [R-1] [SDA]	Fr/So	Min C- required in all REL
RELT	6	SDA Identity [R-2][SDA]	Fr/So	RELT 138 and RELT 255
✓ RELT 317	0	UD Biblical Studies [R-3] or [R-4][SDA]		Required cognate
	3	Asthetic Analysis [IN-10]		
✓	0	Natural Science [IN-7]		Met in major
^ LANGUAGE	0-6	Elementary Foreign Language	Fr/So	Two years of high school foreign language will meet requirement
Three Level 1 activities and two Level 2 [SERV-2] experiences must be completed to fulfill the Christian Service Program General Education requirements				
36 Professional Education			Min GPA of 2.75 Required in major, professional ed, and cumulative areas	
EDUC 138	3	Intro to and Fnd of Secondary Ed	Fr	
EDUC 201	0	Teacher Education Candidacy	So	Prereq: EDUC 129 or 138, ENGL 101 and 102 with min. grade of C
EDUC 253	1	Responsive Teaching	Jr	
EDUC 317	2	Teaching with Technology	Jr	Prereq: EDUC 129 or 138
EDUC 342	2	Curriculum & Content Mthds - Secondary	Sr	Prereq: EDUC 201
EDUC 345	2	Learning Theory & Classroom Mngt		Only offered Fall . Prereq: EDUC 201.
EDUC 346	2	Field Experience in Secondary Education	Jr	Only offered Fall. Prereq: EDUC 201. Coreq: EDUC 298,434
EDUC 347	2	Assessment and Differentiation	Jr	Prereq: EDUC 201
EDUC 348	2	Secondary Instructional Methods	Sr	Only offered Fall. Prereq: EDUC 201. Coreq: EDUC 346,347,298
EDUC 419	3	Phil & Ldrshp in Christian Ed (W) (SERV-2)	Jr	Prereq: EDUC 201
EDUC 434	2	Reading & Writing in Content Areas	Jr	Only offered Winter. Prereq: EDUC 201
EDUC 464	2	Teaching Seminar	Sr	Must be admitted to Student Teaching
EDUC 472	10	Enhanced Student Teaching - Secondary (SI	Sr	Coreq: EDUC 464
PSYC 128	3	Developmental Psychology [IN-8][SDA]	Fr	
54-57 Chemistry, Teaching Licensure			Total degree credit hours: 128-140	
CHEM 151	4	General Chemistry (IN-7)		Minimum ACT math subscore of 19 or Complete MATH 117 or 120/ CHEM 119
CHEM 152	4	General Chemistry II		Only offered Winter. Prereq CHEM 151
CHEM 311	4	Organic Chemistry		Only offered Fall . Prereq CHEM 151
CHEM 312	4	Organic Chemistry		Only offered Winter. Prereq CHEM 311
CHEM 315	4	Quantitative Analysis		Only offered Winter. Prereq CHEM 152
CHEM 361	4	Biochemistry I		Only offered Fall . Prereq CHEM 312 or BIOL 151
CHEM 363	1	Biochemistry Laboratory		Only offered Winter. Prereq CHEM 315 and 361
CHEM 385	1	Chemistry Seminar		Only offered Winter. Prereq CHEM 312 and COMM 135
CHEM 411	4	Physical Chemistry I (W)		Only offered Fall Prereq CHEM 152, MATH 191. Complete PHYC 212 or 222
CHEM 496	1	Introduction to Research (W)		Only offered Fall ODD years. Prereq MATH 218 and 219
CHEM 498	1	Research in Chemistry		Completed or concurrently enrolled in: CHEM 496
BIOL 151	4	General Biology (IN-7)		Only offered Fall. Min ACT math subscore of 18/dept permission. Cognate
MATH 191	4	Calculus I		Minimum ACT math subscore of 19 or Complete MATH 120/121. Cognate
RELT 317	3	Issues in Physical Sci & Religion		Only offered winter. Cognate
MATH 192/215	4-3	Calculus II or Statistics		Choose 1 course
PHYS	8-10	Physics Sequence: select one sequence: [PHYS 211, 212, 213 ,214] OR [PHYS 221, 222, 223, 224]		

* Admission to Education Program is processed in EDUC 201 and must be completed before enrolling in upper division professional education courses

RELB 125	3	Life and Teachings of Jesus (R-1)	Summer Smart Start		
		Freshman Year Fall			Freshman Year Winter
BIOL 151	4	General Biology	CHEM 152	4	General Chemistry
CHEM 151	4	General Chemistry	MATH 121	2	Precalculus Trig (Prereq fro MATH 191)
CPTC 100	1	Computer Concepts	ENGL 102	3	Critical Think in Ac Rdg & Wrtg II [IN-2]
ENGL 101	3	Critical Think in Ac Rdg & Wrtg I [IN-2]	EDUC 138	3	Intro to and Foundations of Sec Education
MATH 120	3	Precalculus Alg (Pre-req for MATH 121)	PEAC 125	1	Fitness for Collegiate Life
NOND 101	1	Southern Connections [IN-1]	PSYC 128	3	Developmental Psychology (IN-8)
	16			16	
		Sophomore Year Fall			Sophomore Year Winter
CHEM 311	4	Organic Chemistry	CHEM 312	4	Organic Chemistry
COMM 135	3	Communication and Public Speaking (IN-3)	CHEM 315	4	Quantitative Analysis
EDUC 253	1	Responsive Teaching	EDUC 201	0	Teacher Education Candidacy
MATH 191	4	Calculus I	EDUC 317	2	Teaching with Technology
	3	Historical Perspectives (IN-6)	HLED 173	2	Health for Life
	1	Physical Activity (P1-b)	RELT 138	3	Adventist Heritage (R-2)
	16			15	
		Summer			
		Select one of the Physics Sequences:			
		[PHYS 211, 212, 213 ,214]			
		OR [PHYS 221, 222, 223, 224]			
	8 to 10				
		Junior Year Fall			Junior Year Winter
CHEM 361	4	Biochemistry I	CHEM 363	1	Biochemistry Laboratory
EDUC 342	2	Curriculum and Content Methods - Secondary	CHEM 385	1	Chemistry Seminar
EDUC 419	3	Philosophy & Ldrhip in Christian Ed (SERV-2) (W)	EDUC 434	2	Reading and Writing in the Content Areas
MATH 215	3	Statistics (IN-4)	RELT 317	3	Issues in Physical Science and Religion (R-4)
RELT 255	3	Christian Beliefs (R-2)		3	Stewardship, Business and Economics (IN-9)
	1	Physical Activity (P1-b)		3	Aesthetic Analysis (IN-10)
	16			13	
		Senior Year Fall			Senior Year Winter
CHEM 411	4	Physical Chemistry I (W)	PEAC 425	1	Fit for Hire (P-1c)
CHEM 496	1	Introduction to Research (W)	EDUC 472	10	Enhanced Student Teaching - Secondary (SERV-2)
CHEM 498	2	Research in Chemistry	EDUC 464	2	Teaching Seminar
EDUC 345	2	Learning Theory and Classroom Management			
EDUC 347	2	Assessment and Differentiation			
EDUC 348	2	Secondary Instructional Methods			
EDUC 346	2	Field Experience in Secondary Education			
	15			13	
				131-133	Total hours

Need-to-Know Hints (Important!)

§ A class is worth a number of *semester hours* : a 1 semester hour class will be less time & work than a 3 semester hour class

§ A full time course load is 12-16 semester hours per semester but 15-16 must be taken in order to graduate in 4 years

§ 124 credit hours are required to graduate (you may have to take elective classes in order to accumulate 124 credit hours)

§ Course numbers indicate difficulty level and correspond to years: 100 level=Freshman, 200 level=Sophomore etc.

§ 100 & 200 level classes are Lower Division (LD); 300 & 400 level classes are Upper Division (UD)

§ Before registering for UD classes you must complete 40 LD hours, ENGL 101 & 102, Math 215

§ Concentrate on fulfilling general education requirements during your first two years

§ Remember your Christian Service Program activities