

2009 - 2011

Secondary Education Chemistry*

Code: 2161

Bachelor of Science

Freshman Year							
BIOL	110	Fundamentals of Biology I	3	CHEM	108	General Chemistry II	3
CHEM	107	General Chemistry I	3	CHEM	115	General Chemistry Lab II	2
EDCI	100	Orientation to Teacher Educ.	3	EDFL	106	Introduction to Education	3
ENGL	101	Intro. to Academic Writing	3	ENGL	102	Writing/Research Culture	3
MATH	109	Pre-Calculus Algebra ¹	3	MATH	250	Survey of Calculus	3
			15	Elective (Secondary Teaching Area) ²			3
							17
Sophomore Year							
CHEM	221	Analytical Chemistry	3	CHEM	280	Introduction to Biochemistry	3
CHEM	222	Analytical Chemistry Lab	2	CMCN	310	Public Speaking	3
CHEM	240	Intro. Organic Chemistry	3	PSYC	312	Adolescent Psychology	3
EDFL	201	Teaching, Learning, Growth	3	THEA	300	Activities in Dramatics	3
HIST	221	United States to 1877	3	Elective (Secondary Teaching Area) ²			4
Elective (Secondary Teaching Area) ²			3				16
							17
Junior Year							
BHSC		Elective ⁴	3	CHEM	362	Undergrad. Research I	1
CHEM	251	Descriptive Inorganic Chem	3	CHEM	303	Intro Physical Chem ⁵	3
CHEM	252	Inorganic Chemistry Lab	2	EDCI	427	Teaching in Diverse Society	3
IREC	320	Technology in Classroom	3	EDCI	450	Class Mgmt/Instr Design	3
PHYS	207	Intro. to Physics I	3	EDFL	456	Classroom Assessment	3
Elective (Secondary Teaching Area) ²			3	Elective (Secondary Teaching Area) ²			3
							16
Senior Year							
EDCI	453	Secondary Science Methods	3	EDCI	479	Student Teaching Secondary	9
IREC	330	Technology & Science	1	Elective (ENGL or LANG Literature)			3
EDCI	469	Adv Field Experience Sec	1				12
READ	410	Teaching Content Literacy	3				
SPED	300	Survey of Exceptional Child	3				
Elective (Humanities) ⁶			3				
Elective (Secondary Teaching Area) ²			3				
							17
							Total: 127

* At least 4 hours of electives must be at the 300 or 400 level.

1 Minimum ACT score of 25. Students with less than a 25 must take and complete MATH 105 prior to registration for CHEM 107. Students with a MATH "Secondary Teaching Area" must complete MATH 270 and MATH 301 to meet certification requirements.

2 See requirements for Secondary Teaching Areas.

3 Arts, Humanities or Behavioral science elective, selected in consultation with academic advisor.

4 Behavioral Science elective chosen from ANTH, CJUS, ECON, GEOG, POLS, PSYC, or SOCI.

5 CHEM 303 is offered only in Spring of even years. Students are encouraged to schedule this course at the earliest possible opportunity following completion of CHEM 108 and MATH 250, which are prerequisites to 303.

6 Humanities: Arts (MUS, THEA, or VIAR), Humanities: English, History, Journalism, Modern Language, Speech or an interdisciplinary Humanities course (HUMN 151 or 152).