

2016/2017 Bachelor of Science in Chemistry Secondary Education

1st Year Fall Semester

EDUC 111: Foundations of Education (meets 3 CH of Humanities discipline of CORE)+	3
SPED 356: Special Education	3
MATH 181: Calculus I	4
CHEM 140: General Chemistry I	4
	14 CH

1st Year Spring Semester

EDUC 112: Ed. Psych (meets 3 CH of Socio-Political course of CORE)	3
MATH 182: Calculus II	4
CHEM 160: General Chemistry II	4
	11 CH

Sophomore Fall Semester

EDUC 215: Curriculum, Instruction, and Assessment	3
EDUC 255: Mentoring I	3
CHEM 200: Organic Chemistry I	4
CHEM 240: Quantitative Analysis	4
PHYS 174: Intro. to Physics	4
	18 CH

Sophomore Spring Semester

CHEM 210: Organic Chemistry II	4
CHEM 370: Instrumental Analysis	4
PHYS 184: Intro. to Physics II	4
	12 CH

Junior Fall Semester

SECED 325: Teaching Reading/Writing	3
SPED 357: Effective Instructional Practices & Delivery	3
CHEM 310: Phys. Chemistry-Dynamics+	4
CHEM 345: Biochemistry	4
	14 CH

Junior Spring Semester

SECED 370: Teaching Chemistry in Secondary School	3
EDUC 400: ELL	3
CHEM 320: Phys. Chemistry-Structure+	4
CHEM 390: Inorganic Chemistry+	4
CHEM 405: Chemistry Capstone I + #	2
	16 CH

Senior Fall Semester

EDUC 220: Ed. Tech.	3
SECED 268: Mentoring II	3
SPED 358: Intensive Reading, Writing, and Math Intervention Approaches	3
CHEM 405: Chemistry Capstone II + #	1
CHEM 490: Problems in Chemistry	1-4
CHEM 4XX: Advanced Topics	3
	14-17 CH

Senior Spring Semester

ECE/SPED 424: Student Teaching	12
	12 CH

+WIC #PIC

(111-114 in Chem. + ED)

142 Total CH

Additional CORE Requirements

ENG 101: College Writing	3 CH
INDS 101: Presentational Literacy	3 CH (Meets 3 CH of PDE English)
Foreign Language 150	3 CH
Foreign Language 151	3 CH
Fine or Performing Arts course	3 or 4 CH
REL 120: Scriptures	3 CH
AH 105: Well-Being	2 CH
Physical Activity	2 CH

Practicum Series:

(2 of the following)

- Citizenship
- Leadership
- Study Abroad
- Scholarship

Seminar Series:

SEMS 100: Seminar Series I	1 CH
SEMS 200: Western Traditions	
SEMS 250: World Cultures	
SEMS 400: Global Issues	