



# NORTHEASTERN STATE UNIVERSITY

College of Science & Health Professions

## 2016 – 2017 Science Education – Chemistry

### First Year – Freshman

<b>Fall Semester</b>	<b>Spring Semester</b>
ENGL 1113* Freshman Comp I	ENGL 1213* Freshman Comp II
BIOL 1013 Biology I	CHEM 1223 General Chemistry II
BIOL 1011* Biology I Lab	CHEM 1231 General Chemistry II Lab
UNIV 1003* University Strategies	POLS 1113* American Federal Government
CHEM 1123* General Chemistry I	Humanities, 3 hours*
CHEM 1131* General Chemistry I Lab	MATH 3513 Statistical Methods
Humanities, 3 hours*	
<b>Total Hours 17</b>	<b>Total Hours 16</b>

### Second Year – Sophomore

<b>Fall Semester</b>	<b>Spring Semester</b>
MATH 2614 Calculus I	EDUC 4823 Technology in Education
Second Language, 3 hours*	PHYS 1215 General Physics II
PHYS 1115 General Physics I	PSYC 1113 Introduction to Psychology
CHEM 3123 Organic Chemistry I	CHEM 3223 Organic Chemistry II
CHEM 3132 Organic Chemistry I Lab	CHEM 3232 Organic Chemistry II Lab
<b>Total Hours 17</b>	<b>Total Hours 16</b>

### Third Year – Junior

<b>Fall Semester</b>	<b>Spring Semester</b>
EDUC 3313 Clinical Teaching	CHEM 4412 Research in Chemistry I
EDUC 3113* Educational Psychology	SPED 4433 Education of Exceptional Children
HIST 1483 or 1493* American History	COMM 1113* Fundamentals of Communication
CHEM 3315 Quantitative Analysis	BIOL 3124 Cell Biology
Free elective, 1 hour	SCI 4124 Earth Science
CHEM 3413 Inorganic Chemistry (odd) or CHEM 3523 Environmental Chemistry (even)	
<b>Total Hours 18</b>	<b>Total Hours 16</b>

### Fourth Year – Senior

<b>Fall Semester</b>	<b>Spring Semester</b>
EDUC 4032 Pre-Internship II	Full Internship:
SCI 4513 Methods of Teaching Sec Science	EDUC 4064 Sec Intern Teach
EDUC 4353 Teaching Methods and Practices	EDUC 4074 Sec Intern Teach
CHEM 3413 Inorganic Chemistry (odd) or CHEM 3523 Environmental Chemistry (even)	EDUC 4252 Seminar
CHEM 4911 Seminar in Chemistry	EDUC 4712 Assessment/Evaluation
H ED 1113 Personal Health or NUTR 1653 Basic Nutr.	
<b>Total Hours 18</b>	<b>Total Hours 12</b>

**Total Degree Plan Hours 124**

\*General Education Requirement. \*\*See current catalog "General Requirements" for selection.

4/12/2018