



# NORTHEASTERN STATE UNIVERSITY

*College of Science & Health Professions*

## 2020 – 2021 Science Education – Chemistry

### First Year – Freshman

Fall Semester	Spring Semester
ENGL 1113* English Comp I	ENGL 1213* English Comp II
BIOL 1013* Introductory Biology I	CHEM 1123* General Chemistry I
BIOL 1011* Introductory Biology I Lab	CHEM 1131 General Chemistry I Lab
UNIV 1003* University Strategies	Humanities, 3 hours*
Humanities, 3 hours*	BIOL 1023 Introductory Biology II
MATH 1714* Precalculus	BIOL 1021 Introductory Biology II Lab
<b>Total Hours 17</b>	<b>Total Hours 14</b>

### Second Year – Sophomore

Fall Semester	Spring Semester
Second Language, 3 hours*	H ED 1113 or NUTR 1653 Personal Health or Basic Nutr.
POLS 1113* American Federal Government	COMM 1113* Fundamentals of Communication
HIST 1483 or 1493* American History	EDUC 4823 Emerging Technologies
MATH 3513 Statistical Methods	MATH 2614 Calculus I
CHEM 1223 General Chemistry II	CHEM 3123 Organic Chemistry I
CHEM 1231 General Chemistry II Lab	CHEM 3131 Organic Chemistry I Lab
<b>Total Hours 16</b>	<b>Total Hours 17</b>

### Third Year – Junior

Fall Semester	Spring Semester
EDUC 3313 Clinical Teaching	CHEM 4412 Research in Chemistry I
EDUC 3113* Educational Psychology	SPED 4433 Education of Exceptional Children
PHYS 1114 General Physics I	PHYS 1214 General Physics II
PSYC 1113 Introduction to Psychology OR PSYC 1003 Introduction to Human Behavior	SCI 4124 Earth Science
CHEM 3223 Organic Chemistry II	CHEM 4214 Biochemistry
CHEM 3231 Organic Chemistry II Lab	
<b>Total Hours 17</b>	<b>Total Hours 17</b>

### Fourth Year – Senior

Fall Semester	Spring Semester
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 3315 Quantitative Analysis	EDUC 4252 Seminar
CHEM 4911 Seminar in Chemistry	EDUC 4712 Assessment/Evaluation
<b>Total Hours 14</b>	<b>Total Hours 12</b>

**Total Degree Plan Hours 124**

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

4/16/2020