



# NORTHEASTERN STATE UNIVERSITY

*College of Science & Health Professions*

## 2020 – 2021 Chemistry – Environmental

### First Year – Freshman

Fall Semester	Spring Semester
ENGL 1113* Freshman Comp I	ENGL 1213* Freshman Comp II
BIOL 1013* Introductory Biology I	CHEM 1123* General Chemistry I
BIOL 1011 Introductory Biology I Lab	CHEM 1131* General Chemistry I Lab
HIST 1483 or 1493* American History	Communications, 3 hours*
MATH 1714* Precalculus	POLS 1113* American Federal Government
UNIV 1003* University Strategies	Life Skills, 3 hours*
<b>Total Hours 17</b>	<b>Total Hours 16</b>

### Second Year – Sophomore

Fall Semester	Spring Semester
CHEM 1223 General Chemistry II	MATH 2614 Calculus I
CHEM 1231 General Chemistry II Lab	BIOL 3224 Microbiology
MATH 3513 Statistical Methods	Humanities elective, 3 hours*
Social Sciences, 3 hours*	Global Perspectives Elective, 3 hours*
Humanities elective, 3 hours*	
Life Skills Elective, 3 hours*	
<b>Total Hours 16</b>	<b>Total Hours 14</b>

### Third Year – Junior

Fall Semester	Spring Semester
CHEM 3123 Organic Chemistry I	CHEM 3223 Organic Chemistry II
CHEM 3131 Organic Chemistry I Lab	CHEM 3231 Organic Chemistry II Lab
CHEM 3315 Quantitative Analysis	PHYS 2115 Engineering Physics I
MATH 2624 Calculus II	CHEM 4714 Instrumental Analysis
CHEM 3523 Environmental Chemistry (even fall) or Free Elective, 3 hours	Free Elective, 3 hours
<b>Total Hours 16</b>	<b>Total Hours 16</b>

### Fourth Year – Senior

Fall Semester	Spring Semester
CHEM 4524 Physical Chemistry I	CHEM 4911 Chemistry Seminar I
CHEM 4412 Research in Chemistry I	BIOL 3524 Ecology
Environmental Option Elective, 6 hours	Environmental Option Elective, 3 hours
CHEM 3523 Environmental Chemistry (even fall) or Free Elective, 3 hours	Free Elective, 6 hours
<b>Total Hours 15</b>	<b>Total Hours 14</b>

**Total Degree Plan Hours 124**

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

04/16/2020