



NORTHEASTERN STATE UNIVERSITY

College of Science & Health Professions

2018 – 2019 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 1513* College Algebra	POLS 1113* American Federal Government
UNIV 1003* University Strategies	H ED 1113 Personal Health or NUTR 1653 Basic Nutr.
Total Hours 16	Total Hours 16

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*	
Total Hours 16	Total Hours 14

Third Year – Junior

Fall Semester	Spring Semester
CHEM 3123 Organic Chemistry I	CHEM 3223 Organic Chemistry II
CHEM 3132 Organic Chemistry I Lab	CHEM 3232 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 (offered even fall) or Free Elective, 3 hours	Free Elective, 3 hours
Total Hours 17	Total Hours 17

Fourth Year – Senior

Fall Semester	Spring Semester
CHEM 4524 Physical Chemistry I	CHEM 4911 Chemistry Seminar I
CHEM 4412 Research in Chemistry I	BIOL 3413 Environmental Problems
Environmental Option Elective, 3 hours	Environmental Option Elective, 3 hours
CHEM 3523 Environmental Chemistry (offered even fall) or Free Elective, 3 hours	Free Elective, 2 hours
Free Elective, 3 hours	BIOL 3524 Ecology
Total Hours 15	Total Hours 13

Total Degree Plan Hours 124

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