



NORTHEASTERN STATE UNIVERSITY

College of Science & Health Professions

... 2012-2013 Chemistry-Environmental Emphasis Roadmap

First Year – Freshman

Fall Semester		Spring Semester	
ENGL 1113*	Freshman Composition I	ENGL 1213*	Freshman Composition II
BIOL 1123*	Evolution and Diversity	CHEM 1123*	General Chemistry I Lecture
BIOL 1131*	Investigative Laboratory	CHEM 1131*	General Chemistry I Laboratory
HIST 1483 or 1493*	American History	POLS 1113*	American Federal Government
MATH 1513*	College Algebra	COMM 1113*	Fundamentals of Oral Communication
UNIV 1001*	College Strategies	Life Skills Elective*	See list in NSU catalog
Total Hours 14		Total Hours 16	

Second Year – Sophomore

Fall Semester		Spring Semester	
CHEM 1223	General Chemistry II Lecture	MATH 2614	Calculus I
CHEM 1231	General Chemistry II Laboratory	BIOL 3224	Microbiology
MATH 3513	Statistical Methods	UNIV 2091*	Capstone
GEOL 1114 ¹	Physical Geology	Humanities Elective*	See list in NSU catalog
Social Sciences Elective*	See list in NSU catalog	Global Perspectives Elective*	See list in NSU catalog
Humanities Elective*	See list in NSU catalog		
Total Hours 17		Total Hours 15	

Third Year – Junior

Fall Semester		Spring Semester	
CHEM 3123	Organic Chemistry I Lecture	CHEM 3223	Organic Chemistry II Lecture
CHEM 3132	Organic Chemistry I Laboratory	CHEM 3232	Organic Chemistry II Laboratory
PHYS 2115 ¹	Engineering Physics I	BIOL 3524	Ecology
MATH 2624	Calculus II	CHEM 3523 ²	Environmental Chemistry
Environmental Sci Core Elective	See list in NSU catalog	Environmental Sci Core Elective	See list in NSU catalog
Total Hours 17		Total Hours 15	

Fourth Year – Senior

Fall Semester		Spring Semester	
CHEM 4524 ¹	Physical Chemistry I	CHEM 4714 ²	Instrumental Analysis
Environmental Sci Core Elective	See list in NSU catalog	BIOL 4522 ³	Ecological Methods
CHEM 4412	Research in Chemistry	CHEM 4911	Seminar in Chemistry
CHEM 3315 ¹	Quantitative Analysis	Global Perspectives Elective*	See list in NSU catalog
		Life Skills Elective*	See list in NSU catalog
		Free Elective	
Total Hours 14		Total Hours 16	

Total Degree Plan Hours 124

*General Education Requirement

¹ Only taught in fall semester; ² Only taught in spring semester; ³ Only taught in odd, spring semesters