



NORTHEASTERN STATE UNIVERSITY

College of Science & Health Professions

2012-2013 CHEMISTRY – Professional Emphasis (Mathematics Minor) Road Map

First Year – Freshman

Fall Semester		Spring Semester	
ENGL 1113*	Freshman Composition I	ENGL 1213*	Freshman Composition II
CHEM 1123*	General Chemistry I Lecture	CHEM 1223	General Chemistry II Lecture
CHEM 1131*	General Chemistry I Laboratory	CHEM 1231	General Chemistry II Laboratory
HIST 1483 or 1493*	American History	POLS 1113*	American Federal Government
MATH 1715*	Pre-Calculus	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 3123	Organic Chemistry I Lecture	CHEM 3223	Organic Chemistry II Lecture
CHEM 3132	Organic Chemistry I Laboratory	CHEM 3232	Organic Chemistry II Laboratory
MATH 3513	Statistical Methods	MATH 2614	Calculus I
Humanities Elective*	See list in NSU catalog	Humanities Elective*	See list in NSU catalog
Social Sciences Elective*	See list in NSU catalog	Biological Science Elective	See list in NSU catalog
		UNIV 2091*	Capstone
Total Hours	14	Total Hours	16

Third Year – Junior

Fall Semester		Spring Semester	
CHEM 3315 ¹	Quantitative Analysis	CHEM 4714 ²	Instrumental Analysis
PHYS 2115 ¹	Engineering Physics I	PHYS 2215 ²	Engineering Physics II
MATH 2624	Calculus II	CHEM 3421 ²	Inorganic Chemistry (Laboratory)
CHEM 3413 ¹	Inorganic Chemistry (Lecture)	MATH 2633	Calculus III
		Upper Division Chemistry Elective	See list in NSU catalog
Total Hours	17	Total Hours	16

Fourth Year – Senior

Fall Semester		Spring Semester	
CHEM 4524 ¹	Physical Chemistry I	CHEM 4624 ²	Physical Chemistry II
Global Perspectives Elective*	See list in NSU catalog	Upper Division Chemistry Elective	See list in NSU catalog
CHEM 4412	Research in Chemistry	CHEM 4911	Seminar in Chemistry
Life Skills Elective*	See list in NSU catalog	Global Perspectives Elective*	See list in NSU catalog
Upper Division Math Elective	See list in NSU catalog	Free Elective	
		Free Elective	
Total Hours	15	Total Hours	16

Total Degree Plan Hours 124

This road map is for a minor in mathematics due to the prerequisites for other courses, but a student may choose to minor in any discipline.

*General Education Requirement

¹ Only taught in the fall semester; ² Only taught in the spring semester