



NORTHEASTERN STATE UNIVERSITY

College of Science & Health Professions

2010 – 2011 Science Education Chemistry Emphasis Road Map

First Year – Freshman

Fall Semester	Spring Semester
ENGL 1113* Freshman Composition I	ENGL 1213* Freshman Composition II
BIOL 1131/1123* Evolution & Diversity/Investigative Lab	CHEM 1223/1231 General Chemistry II
Humanities (3 hrs)* See list in NSU catalog	POLS 1113* American Federal Government
CHEM 1123/1131* General Chemistry I	Humanities (3 hrs)* See list in NSU catalog
UNIV 1002* College Strategies	MATH 3513* Statistical Methods
Total Hours 16	Total Hours 16

Second Year – Sophomore

Fall Semester	Spring Semester
BIOL 3124 Cell Biology	MATH 2614 Calculus I
Second Language (3 Hrs.)* See list in NSU catalog	H Ed 1113 or HFS 1653* Pers. Health or Basic Nutrition
Global Perspectives (3 hrs)* See list in NSU catalog	COMM 1113* Fund Communication
CHEM 3123/3132 Organic Chem I	PSYC 1113* Intro to Psychology
HIST 1483 or 1493* History or American History	CHEM 3223/3232 Organic Chem II
Total Hours 18	Total Hours 18

Third Year – Junior

Fall Semester	Spring Semester
EDUC 3313 Clinical Teaching	EDUC 4823 Technology in Education
EDUC 3113* Educational Psychology	SPED 4433 Education of Exceptional Children
CHEM 3315 ¹ Quant Analysis	CHEM 4412 Res Chemistry I
PHYS 1115 General Physics I	PHYS 1215 General Physics II
	CHEM 3523 ² Environmental Chemistry
Total Hours 16	Total Hours 16

Fourth Year – Senior

Fall Semester	Spring Semester
EDUC 4032 Pre-Internship II	Full Internship:
SCI 4513 ¹ Methods of Teaching Sec Science	EDUC 4064 Sec Intern Teach
EDUC 4353 Teaching Methods and Practices	EDUC 4074 Sec Intern Teach
CHEM 3413 ¹ Inorganic Chemistry	EDUC 4252 Seminar
SCI 4124 Earth Science	EDUC 4712 Assessment/Evaluation
CHEM 4911 Seminar in Chemistry	
UNIV 2091 Capstone	
Total Hours 17	Total Hours 12

Total Degree Plan Hours 129

*General Education Requirement.

¹Only taught in the Fall Semester, ² Only taught in the Spring Semester

Students must earn a C or better in all science, mathematics, foreign language, English and education courses. Students must maintain a minimum GPA of 2.5 overall, in major courses, and in education courses. Students must pass the OGET, the OPTE and at least one of the following OSATs: Biology Chemistry, Physics, Earth Science or Physical Science.

SCI 4513, EDUC 4032, and EDU 4353 must be taken in the fall semester by Science Education majors