Nebraska Wesleyan University

Chemistry (B.S.)

Catalog

2012-2013

Departments

1. Chemistry

Chemistry Major (B.S., 43-44 hours)

Courses	
CHEM 051 Chemical Principles and CHEM 051L Chemical Principles Laboratory	4 hours
CHEM 120 Organic Chemistry I and CHEM 120L Organic Chemistry I Laboratory	4 hours
CHEM 121 Organic Chemistry II: Synthesis and Mechanisms and CHEM 121L Organic Chemistry II Laboratory	4 hours
CHEM 122 Analytical and Inorganic Chemistry and CHEM 122L Analytical and Inorganic Chemistry Laboratory	4 hours
CHEM 130 Organic Chemistry III: Intermediate Organic Chemistry	2 hours
CHEM 221 Physical Chemistry I, Thermodynamics and Kinetics and CHEM 221L Physical Chemistry Laboratory	4 hours
CHEM 222 Physical Chemistry II, Quantum Chemistry and Spectroscopy and CHEM 222L Physical Chemistry Laboratory	4 hours
CHEM 231 Inorganic Chemistry	3 hours
CHEM 242 Instrumental Methods of Analysis	4 hours
CHEM 252 Advanced Organic Chemistry	4 hours
CHEM 255 Biochemistry	3 hours
CHEM 293 Chemistry Seminar	1 hours
Senior Comprehensive:	
CHEM 295 Independent Study	1-12 hours

An approved supporting program of 27 hours selected from biology, computer science, modern languages, mathematics, and physics is required and may include one or more minors. PHYS 101 Principles of Physics I or PHYS 111 General Physics I, PHYS 102 Principles of Physics II or PHYS 112 General Physics II, MATH 105 Calculus I and MATH 106 Calculus II are required.