Nebraska Wesleyan University

Biochemistry and Molecular Biology (B.S.)

Catalog

2011-2012

Departments

1. Biology
2. Chemistry

Biochemistry and Molecular Biology Major (B.S., 62 hours)

Courses	
BIO 050 General Biology of Plants	4 hours
BIO 160 Cell Biology	4 hours
BIO 170 Genetics	4 hours
BIO 283 Molecular Biology	4 hours
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 221 Physical Chemistry I, Thermodynamics and Kinetics and CHEM 221L Physical Chemistry Laboratory	4 hours
CHEM 242 Instrumental Methods of Analysis	4 hours
BIO 281 Biochemistry or CHEM 255 Biochemistry	3 hours
BIO 282 Biochemistry Laboratory or CHEM 258 Biochemical Methods	1 hour
CHEM 256 Advanced Biochemistry	3 hours
CHEM 293 Chemistry Seminar	1 hours
PHYS 101 Principles of Physics I or PHYS 111 General Physics I	4 hours
PHYS 102 Principles of Physics II or PHYS 112 General Physics II	4 hours
MATH 105 Calculus I	5 hours
Senior Comprehensive	

BIO 299 Senior Research or CHEM 295 Independent Study	1 hour

MATH 106 Calculus II is strongly recommended.