Nebraska Wesleyan University

Mathematics (B.A., B.S.)

Catalog

2012-2013

Departments

1. Mathematics and Computer Science

Mathematics Major (B.A. or B.S., 39-40 hours)

Courses	
MATH 105 Calculus I	5 hours
MATH 106 Calculus II	5 hours
MATH 111 Introduction to Higher Mathematics	3 hours
MATH 204 Calculus III	4 hours
MATH 206 Mathematical Statistics I	3 hours
MATH 210 Linear Algebra	3 hours
MATH 212 Numerical Analysis or MATH 227 Mathematical Modeling	3 hours
MATH 230 Abstract Algebra I	3 hours
MATH 235 Mathematical Problem Solving	1 hour
MATH 240 Real Analysis	3 hours
Math electives	**3-4 hours**
Not taken from: MATH 200 Formal Languages and Automata MATH 207 Mathematical Statistics II MATH 209 Number Theory MATH 212 Numerical Analysis MATH 221 Geometry MATH 224 Differential Equations MATH 227 Mathematical Modeling MATH 231 Abstract Algebra II MATH 290 Selected Topics	
Senior Comprehensive:	**3 hours**
MATH 299 Mathematics Seminar	

Students seeking an education field endorsement in mathematics follow the above requirements with the following changes:

- Take MATH 221 Geometry rather than MATH 240 Real Analysis.
- Take EDUC 287 Supervised Teaching in the Secondary School rather than MATH 299 Mathematics Seminar.
- May use MATH 240 Real Analysis or MATH 299 Mathematics Seminar as part of the 3-4 hours of mathematics electives.

See the Nebraska Wesleyan University Department of Education for information regarding education courses required for teaching certification.

An approved supporting program of 20 hours that includes CMPSC 040 Program Design is also required for all Mathematics majors. Cooperatively designed by the student and advisor, the supporting program may overlap with one or more minors or a second major.

For the mathematics and computer science majors, the B.A. degree requires a minor from the humanities or arts, or more than 50 percent of the supporting program from these areas, while the B.S. degree requires a minor from the natural or social sciences, or more than 50 percent of the supporting program from these areas. Mathematics majors seeking an education endorsement whose supporting program consists of education courses will receive a B.S. degree.