

Major:

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

Academically equivalent, both bachelor of art and bachelor of science will fully prepare you for a career in mathematics. If you choose to graduate with two majors, and one major is only offered as a B.A. or B.S., the second major should match the first degree. Mathematics majors seeking an education endorsement will receive a B.S. degree.

Departments/Programs:

Mathematics and Computer Science

### Mathematics Major (B.A. or B.S.\*\* , 44-46 hours)

Courses	31 hours
MATH 1600 Calculus I	5 hours
MATH 1610 Calculus II	5 hours
MATH 2200 Foundations of Modern Mathematics	3 hours
MATH 2600 Calculus III	4 hours
MATH 3200 Linear Algebra	3 hours
MATH 3300 Mathematical Statistics I	3 hours
MATH 4200 Abstract Algebra I	4 hours
MATH 4300 Real Analysis	4 hours
Math Elective	3-4 hours
Select one of the following (may not use a course taken above as an elective):	
<ul style="list-style-type: none"><li>• MATH 3100 Differential Equations</li><li>• MATH 3500 Geometry</li><li>• MATH 4800 Research Experience</li></ul>	
Capstone	3 hours
MATH 4980 Mathematics Seminar	3 hours

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

- Take MATH 3500 Geometry rather than MATH 4300 Real Analysis.

- May use **MATH 4300 Real Analysis** or **MATH 4980 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.

Required Supporting Program	8 hours
CMPSC 1100 Python Programming I	4 hours
DATA 1350 Introduction To Data Analytics	4 hours

*\*\*A Mathematics major may earn either a B.A. or B.S. degree. However, if a student has a first major that is associated with a different baccalaureate degree, the Mathematics major may serve as a second major for the degree associated with the first major (B.FA., B.M., B.S.N.).*