Oklahoma Panhandle State University
Mathematics (BS) Academic Option

124 Total Required Semester Hours
The last digit in the course number gives the number of credit hours of the course. For example, MATH 1824 is a 4 credit course and counts for 4 hours of the required total of 124 hours.

Major 27 hours
MATH 1824-Calculus I
MATH 2424-Calculus II
MATH 2434-Calculus III
MATH 3333-Linear Algebra
MATH 3513-Foundations of Mathematics
MATH 4323-Modern Algebra
MATH 4453-Introduction to Real Analysis
MATH 4763-Probability and Statistics

Math Electives 12 hours
Choose from
MATH 3443-Discrete Mathematics
MATH 3663-Topology
MATH 3713-College Geometry
MATH 4000-Problems in Mathematics
MATH 4073-Numerical Analysis
MATH 4123-Complex Variables
MATH 4413-Ordinary Differential Equations
MATH 4423-Partial Differential Equations

Co-requisite requirements 7 hours
PHYS 2114-General Physics II and a course in computer programming

General Education 41 hours
A student who is well-prepared at the time of enrollment may request to substitute upper level Mathematics or Computer Information Systems electives for general education mathematics requirements. Electives substituted for general education mathematics requirements must be in addition to the minimum of 12 required upper level Mathematics electives.
MATH 1513-College Algebra and MATH 1613-Plane Trigonometry
or
MATH 1715-College Algebra and Trigonometry.

PHYS 2014-General Physics I and other courses sufficient to bring general education hours to 41.

Electives
For graduation, the electives must be sufficient to bring upper level semester hours to 40 and the total number of semester hours to 124. Math majors in the academic option are required to have a minor in some other academic field. Hours designated for the chosen minor are included in the total 124 semester hours required for the major. All mathematics courses toward a major in mathematics must have a grade of C or better.