Oklahoma Panhandle State University
Mathematics (BS) Teaching 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.

Mathematics Education Coursework 35-36 hours
See the general education mathematics courses in the General Education section below for approved courses to bring the total hours to 35-36.
MATH 1824-Calculus I
MATH 2424-Calculus II
MATH 2434-Calculus III
MATH 3333-Linear Algebra
MATH 3443-Discrete Mathematics
MATH 3513-Foundations of Mathematics
MATH 3713-College Geometry
MATH 4323-Modern Algebra
MATH 4763-Probability and Statistics

Mathematics Electives 3 hours
Choose from
MATH 3663-Toplogy
MATH 4000-Problems in Mathematics
MATH 4073-Numerical Analysis
MATH 4123-Complex Variables
MATH 4413-Ordinary Differential Equations
MATH 4423-Partial Differential Equations
MATH 4453-Introduction to Real Analysis

Corequisite Requirements 6 hours
CIS 2123-Programming I
CIS 1983-Logic and Design

General Education 52-53 hours
Within the Mathematics Teaching Option, a student may choose to simultaneously satisfy all of the requirements for a Secondary Mathematics Education major. An asterisk (*) indicates a general education course that is a Secondary Mathematics Education requirement.

Mathematics 5 or 6 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 3 required upper level Mathematics electives.
MATH 1513-College Algebra and MATH 1613-Plane Trigonometry or MATH 1715-College Algebra and Trigonometry.
Communication 9 hours
*ENGL 1113-Freshman English I
*ENGL 1213-Freshman English II
*COMM 1113-Speech Communication

History and Political Science 6 hours
*POLS 1013-American Government
*Choose at least one from the following:
HIST 1313-U.S. History 1492-1877
HIST 1323-U.S. History 1877-Present

Natural Science 8 hours
*BIOL 1304-Principles of Biology
*Choose one additional physical science course with a lab.

Social and Behavioral Sciences 6 hours
*Choose at least one course from each area:
Sociology/Psychology
Economics

Humanities 6 hours
*Choose six hours from the following areas: philosophy, humanities, music appreciation, art appreciation, literature, intro to theater, world history, music history, world religion, others as approved by Vice President for Academic Affairs. The choice must include courses from two areas. No activity courses will count.

Student Success 1 hour
*UCSS 1111-Student Success Seminar

Additional Education Requirements 8 hours
*EDUC 2222-Communication Skills for Educators
*EDUC 2323-Reading in the Content Area
*EDUC 2233-Diversity in Education

Additional Liberal Arts/Science Elective 3 hours

*Required for Secondary Mathematics Education majors.

Professional Education 33 hours
EDUC 2001-Education Seminar
EDUC 2103-Introduction to Education
EDUC 3213-Human Development: Child and
Adolescent Psychology
**EDUC 3223-Educ of the Except. Child
**EDUC 4313-Educational Psychology
**EDUC 4333-Educational Technology
**MATH 4322-M/M of Teaching Mid. and Sec. Math
**EDUC 4533-Secondary Classroom Mgmt. and Assessment
***EDUC 4720-Student Teaching in Secondary Schools (12)

**Restricted Classes: Must be admitted to teacher education prior to enrolling.
***Restricted Classes: Must be admitted to professional semester prior to enrolling.