For a full list of courses see University Core.

Prerequisite Courses

* MATH 1533 Precalculus-Algebra OR
  MATH 1513 College Algebra OR Placement Score AND
* MATH 1593 Plane Trigonometry OR Placement Score

*A grade of ‘C’ or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

Upon completion of the above courses, corresponding general education requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

Major Requirements

Mathematics - Statistics................................. 54

Mathematics ...................................................... 27
  MATH 2313 Calculus 1
  MATH 2323 Calculus 2
  MATH 2333 Calculus 3
  MATH 2343 Calculus 4
  MATH 2753 Technology for Professional Math and Statistics
  MATH 3103 Differential Equations
  MATH 3113 Foundations of Advanced Math
  MATH 3143 Linear Algebra
  MATH 3183 Introduction to Modern Algebra OR
  MATH 4143 Introduction to Analysis 1

Statistics .......................................................... 27

Required Courses ............................................. 18
  STAT 2113 Statistical Methods
  STAT 4103 Applied Experimental Design
  STAT 4113 Mathematical Statistics 1
  STAT 4123 Mathematical Statistics 2
  STAT 4213 Applied Regression Analysis
  STAT 4513 Statistical Consulting

Electives ............................................................. 9

Selected from the following:
  STAT 3213 Fundamentals of Data Science
  STAT 4253 Computer Applications in Statistics

Electives to bring total to.............................. 124

Minimum Grade Requirements

1. Average in (a) all college course work, (b) course work at UCO, and (c) major courses ........................................ 2.50
2. A minimum grade of “C” must be earned in all courses in the major to count toward degree requirements.

For other regulations pertaining to graduation, see Academic Degree Requirements.