

# STATISTICS

three-hour graduate course outside the fields of statistics, mathematics, and computing.

## Graduate Programs

### Admission Requirements

It is necessary to have an undergraduate degree, not necessarily in statistics or mathematics, to begin a program of study toward the master's degree in statistics. In some instances, it may be advantageous to have an undergraduate degree in another field. However, the student should have acquired a good mathematical background and some statistical background as an undergraduate. Also, each student is required to have completed CS 1113 Computer Science I (A) or to have demonstrated competence in a programming language such as C. This should be equivalent to the required courses in the bachelor's program:

Code	Title	Hours
MATH 2144	Calculus I (A)	4
MATH 2153	Calculus II (A)	3
MATH 2163	Calculus III	3
STAT 4013	Statistical Methods I (A)	3
MATH 3013	Linear Algebra (A) (not required for Applied MS)	3
MATH 4013	Calculus of Several Variables (not required for Applied MS)	3
CS 1113	Computer Science I (A)	3

Students admitted to the program with deficiencies will be required to remedy such deficiencies. MATH 3013 and MATH 4013 are not required for the Master of Science in Applied Statistics.

## The Master of Science Degree

The Master of Science degree in statistics is designed to prepare students for work as a statistician or doctoral studies in statistics. It may be completed by following one of the three plans listed in the "Graduate College (<http://catalog.okstate.edu/graduate-college/>)" section of the Catalog. Normally, the all-course work plan will be initiated at the suggestion of the faculty. Each student will be required to attain an introductory knowledge of some field of application outside of statistics, mathematics, and computer science. This requirement may be satisfied by having taken a three-hour graduate course in an approved field of statistical application.

## The Master of Science in Applied Statistics Degree

The Master of Science in Applied Statistics (MSAS) degree can be completed with online coursework. It is intended to be a terminal professional master's degree. It is not intended to be preparation for doctoral work in statistics. Neither comprehensive exams nor a thesis or formal report is required for completion of this degree. A two-hour creative component course is required at the end of the matriculation through the program. More information regarding this degree can be found on the OSU Statistics Department website.

## The Doctor of Philosophy Degree

The PhD requires the completion of 90 hours beyond the BS degree. A maximum of 30 of these credit hours may be earned by research for the dissertation. Each student will be required to attain an introductory knowledge of some field of application which may be satisfied by taking a