MS and PhD Programs in Statistics

Apply Today
The application deadline for the MS/PhD program in Statistics is February 1. Students are requested to supply all college transcripts, GRE scores, three letters of recommendation, resume, and a statement of purpose. International students must also supply a test of English mastery such as the TOEFL.

Contact Us
For application and additional program information please visit us at www.stat.colostate.edu

If you have additional questions, please contact Katy Jackson at stats@stat.colostate.edu

Financial Support for Graduate School

For strong applicants we offer paid support to students enrolled in our MS/PhD program. Teaching or research assistantships provide for a monthly stipend, as well as the payment of tuition and health insurance. Assistantships are renewable, based on satisfactory academic progress. Summer support options, such as internships, teaching, and consulting are also available.

Most students hold teaching assistantships during their first year. More senior graduate students of proven teaching ability can teach their own section of an undergraduate course, an especially attractive option for students seeking a teaching career after graduation.

After the first year, most PhD students have research assistantships for some portion of their graduate program.

CSU's MS program is designed as a building block on the way to a PhD in Statistics. Students seeking a more applied program should consider our one-year Masters in Applied Statistics Program (mas.colostate.edu).
Students in our MS/PhD program receive an outstanding education in our world-class program. Students interact closely with our faculty and receive personal attention in our small classes. Graduates from our program are highly sought after and have found employment in all sectors of business, government, and academia.

The Colorado State University Department of Statistics enjoys a strong international reputation. We have a terrific group of research-active faculty and teaching faculty. Another benefit for students is our network of faculty affiliates at nearby research agencies (National Center for Atmospheric Research, National Institute of Standards and Technology, and Centers for Disease Control and Prevention, among others). Internal and external consulting activities of the department are supported through the Graybill Statistical Laboratory.

Solve Important Scientific Problems
Students conduct research on statistical models and methods with important real-world applications. Recent examples include mapping the spread of diseases, estimating social networks of animal populations, predicting the output of complex climate models, studying plant physiology via genomics, describing brain activity with graphical models, and deconvolving earthquake signals.

Students in the PhD program, in consultation with their advisers, may choose a study program with emphasis on either statistical methodology or the theory of statistics. Faculty research areas include Bayesian methods, spatial and temporal statistics, extreme value theory, stochastic inverse problems, nonparametric methods, high dimensional inference, statistical machine learning, functional data analysis and survey methodology, and more.

Fort Collins
Colorado State is located in Fort Collins, Colorado near the foothills of the beautiful Rocky Mountains. Fort Collins offers abundant recreational and cultural opportunities. You can take a run, hike, or bike in the nearby mountains or along one of the paved trails in the city on your lunch break. Fort Collins is consistently ranked a top place to live for health, well-being, and quality of life.

Assumed Background
The undergraduate major of a prospective student is not important. Students are required to have had at least three semesters of calculus, a course in linear algebra, and at least one proof-based mathematics course such as real analysis. Additional background that is useful but not required for admission: upper division statistics courses and experience in at least one computer programming language.