

The Master of Applied Statistics (M.A.S.) degree emphasizes the practical application of statistics. The innovative curriculum with 19 courses and 31 credits can be completed in 11 months. Upon graduation, students can start working immediately as practicing statisticians.

For application and fees:
www.stat.colostate.edu/mas.html

The Statistics Department at CSU, located near the foothills of the beautiful Rocky Mountains, enjoys an international reputation. The faculty are actively involved in the application of statistics to real-world problems across a wide variety of areas. These include biological, environmental, financial and industrial applications.



Career Opportunities

Statisticians are in high demand in all areas of industry, especially the high-tech, medical and pharmaceutical sectors for functions such as quality control, market research, and product development. This master's degree will help you advance your career by teaching you how to apply statistical procedures to these and other industries

According to the Bureau of Labor Statistics, employment of statisticians is projected to grow by 14 percent between 2010 and 2020. The demand for individuals with a background in statistics is projected to grow, although some jobs will be in occupations with titles other than 'statistician.'

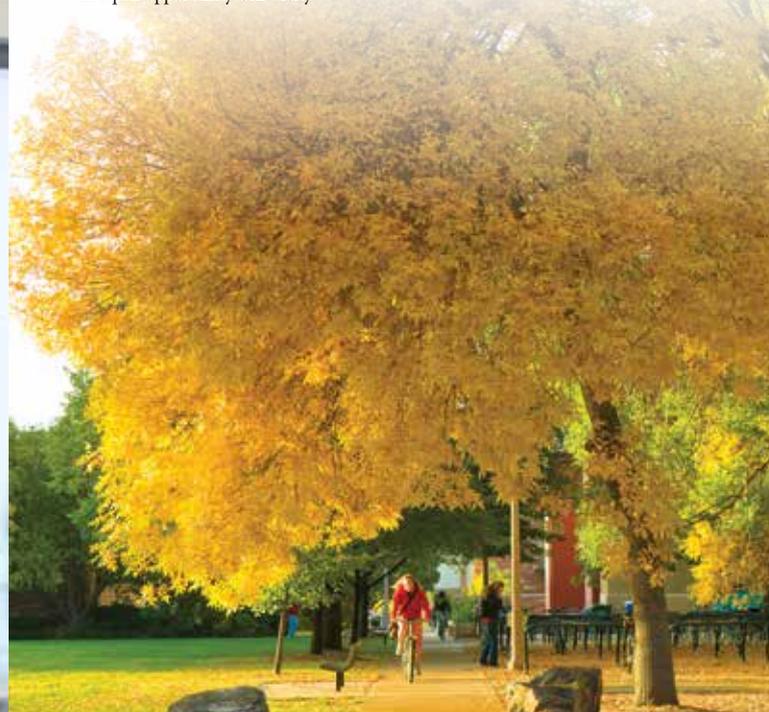
As data processing continues to become more efficient and less expensive, an increasing number of employers will want to employ statisticians to take advantage of the new information available.

Contact Us

(970) 491-5268
stats@stat.colostate.edu
www.stat.colostate.edu/mas.html



An equal-opportunity University.



Elevate yourself.

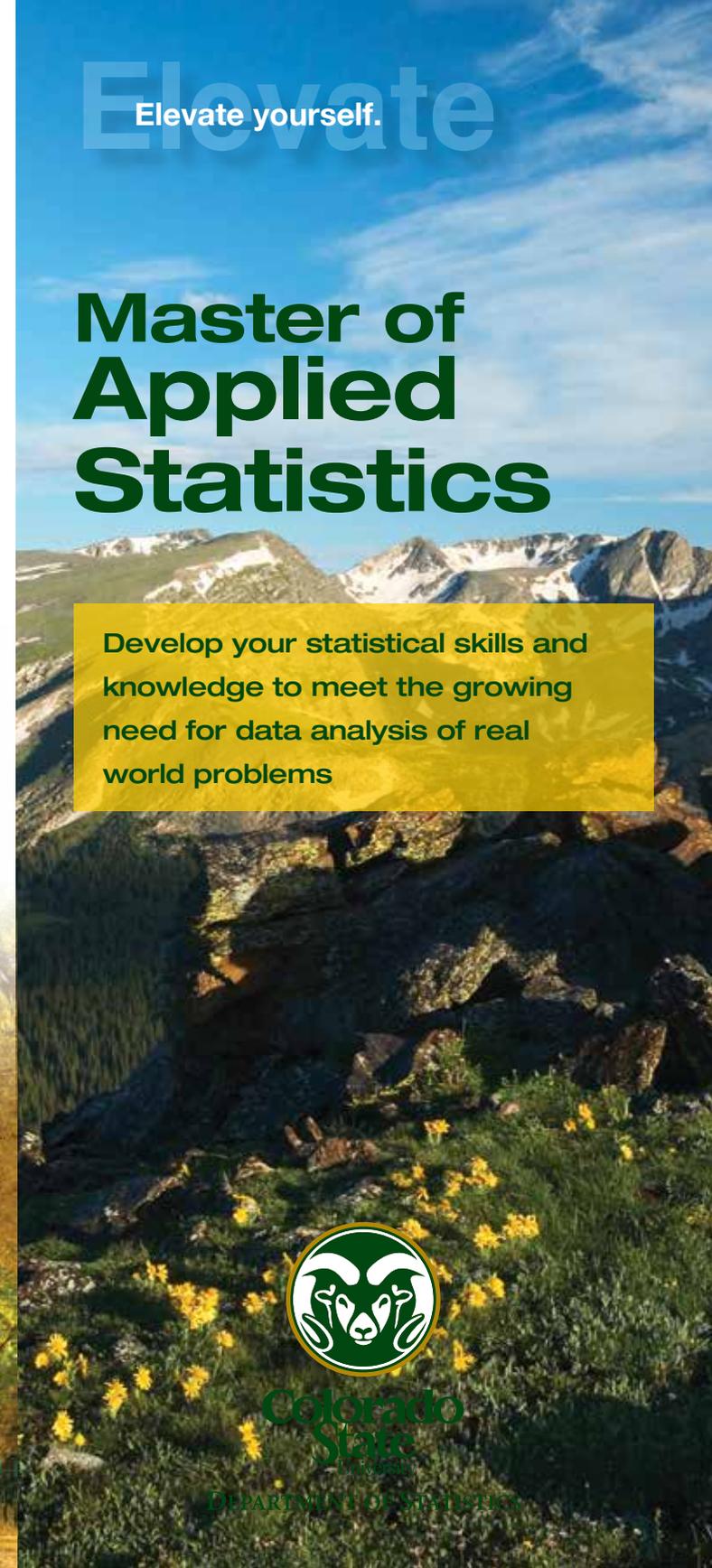
Master of Applied Statistics

Develop your statistical skills and knowledge to meet the growing need for data analysis of real world problems



Colorado State University

DEPARTMENT OF STATISTICS



Program Highlights

- Full-time students can complete the program in 11 months
- Students earn 31 credits
- Courses are taught by experienced CSU statistics professors
- Available on-line through CSU Online Plus

Minimum Admission Requirements

- A four-year bachelor's degree from a regionally-accredited university
- Calculus up to and including multivariable calculus
- A course in linear algebra
- At least one undergraduate-level statistics course
- GRE scores within last five years or math entrance exam



Degree Requirements

You will begin the M.A.S. degree with two noncredit mathematics and computing skills courses completed in the three weeks preceding the Fall semester. The Math Skills for Statistical Analysis (MSSA) course provides an intensive review of the necessary methods in calculus and linear algebra to ensure that all students are prepared and have consistent skill sets. The Computing Skills for Statistical Analysis (CSSA) course introduces you to SAS and R software applications for use throughout the program.

The traditional Fall and Spring semesters are divided into eight week subterms made up of four classes (seven credits). Three 2-credit classes and one 1-credit class are offered each subterm, for a total of 28 credits during the regular academic year.

The M.A.S. program concludes with a six-week capstone consulting class in May and June, during which you will work on genuine client problems, learn communication skills and complete a consulting project that allows you to apply the methods learned during the year.

Curriculum

Subterm 1 is three weeks long, beginning prior to each Fall semester (distance students may begin earlier). The following noncredit courses are required; however, students with appropriate background may petition for one or both to be waived.

Math Skills for Statistical Analysis (0 cr.)
Computing Skills for Statistical Analysis (0 cr.)

Subterm 2 (first half of Fall semester)

STAA 551-Regression Models and Applications (2 cr.)
STAA 561-Probability with Applications (2 cr.)
STAA 565-Quantitative Reasoning (1 cr.)
STAA 573-Analysis of Time Series (2 cr.)

Subterm 3 (second half of Fall semester)

STAA 552-Generalized Regression Models (2 cr.)
STAA 562-Mathematical Statistics (2 cr.)
STAA 567-Methods in Simulation and Computation (1 cr.)
STAA 572-Nonparametric Methods (2 cr.)

Subterm 4 (first half of Spring semester)

STAA 553-Experimental Design (2 cr.)
STAA 566-Computational and Graphical Statistics (1 cr.)
STAA 571-Survey Statistics (2 cr.)
STAA 575-Applied Bayesian Statistics (2 cr.)

Subterm 5 (second half of Spring semester)

STAA 554-Mixed Models (2 cr.)
STAA 568-Topics in Industrial and Organizational Statistics (1 cr.)
STAA 574-Multivariate Analysis (2 cr.)
STAA 576-Methods in Environmental Statistics (2 cr.)
or
STAA 577-Statistical Learning and Data Mining (2 cr.)

Subterm 6 (6 weeks following end of Spring term)

STAA 556-Statistical Consulting (3 cr.)

