

# GRADUATE CERTIFICATE IN DATA ANALYSIS

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The Graduate Certificate in Data Analysis provides a solid background in data analysis using modern software for professionals or graduate students in diverse fields who are seeking a short-term program that will strengthen their statistical skills.

Students interested in graduate work should refer to the Graduate and Professional Bulletin (<http://catalog.colostate.edu/general-catalog/graduate-bulletin/>).

## Learning Objectives

This certificate is designed to help students develop and strengthen their skills in statistical analysis. Upon successfully completing the certificate, students will be proficient in:

1. Collecting data.
2. Analyzing and interpreting different types of data.
3. Drawing appropriate conclusions in industry or other areas where statistical applications are used.

## Institutional Learning Objectives

These program-level learning objectives support the Institutional Learning Objective (ILO) of Reasoning. The ILO of Reasoning calls in part for the development and application of logic, analytic skills, and use of information to understand and solve problems. The Data Analysis certificate curriculum, which develops students' statistical analysis skills including collecting data, analyzing and interpreting different types of data, and drawing appropriate conclusions, directly addresses these aspects of the Reasoning ILO via the core knowledge domain of "Quantitative Methods for Acquiring, Interpreting, and Using Data".