

## APPLIED STATISTICS CGS

All students must meet the Requirements for Certificate of Graduate Study.

### OVERVIEW

Applied statistics is crucial for transforming quantitative data into actionable insights, enabling informed decision-making for working professionals and advancing research across disciplines. Moreover, advancing research for meaningful impact requires researchers with strong skills in applied research methods, including a focus on data equity. The Certificate of Graduate Study in Applied Statistics is designed to be accessible to students, faculty, and professionals across campus and outside of UVM who want practical statistical skills for research or careers.

Coursework in our 12-credit Certificate of Graduate Study in Applied Statistics includes completing two core courses focusing on the responsible application of statistical methods, concentrating on concepts rather than mathematical theory, plus six additional credits of statistics electives covering more specialized statistical methods. No background in calculus or linear algebra is required, and the micro-certificate can be completed entirely online.

### SPECIFIC REQUIREMENTS

#### Minimum Degree Requirements

The Certificate of Graduate Study in Applied Statistics requires a total of 12 credits, distributed as shown below.

Requirement Description		Credits
<b>Applied Statistics Core (6 credits)</b>		
STAT 5020	Applied Statistics I	3
STAT 6020	Applied Statistics II	3
<b>Statistics Electives (6 credits)</b>		
6 credits of Statistics electives taken at the graduate level (STAT 5000- or 6000-level courses).		