

Graduate Certificate in Applied Statistics

Training in statistical methods is a required part of the education of graduate students in engineering and the sciences. The Graduate Certificate in Statistics is designed to provide additional education in statistical thinking and methodology over and above the basic coursework taken by the typical graduate student in engineering and the sciences. This transcriptable certificate will provide a clear record of additional training in statistics for future graduate programs or employers. The Graduate Certificate will also be of interest to those currently employed in technical fields that utilize statistics and to post-baccalaureate students. To learn more on applying to this program, see the department website: https://math.montana.edu/grad_students/statcert.html

All coursework must have the MSU STAT rubric. Courses with other MSU rubrics or courses from other institutions are not transferable as substitutes for course requirements.

Course Requirements

STAT 511	Methods of Data Analysis I	6
& STAT 512	and Methods of Data Analysis II	
Choose two from the following, at least one of which must be either STAT 446 or STAT 541		6
STAT 446	Sampling	
STAT 431	Nonparametric Statistics	
STAT 436/536	Introduction to Time Series Analysis	
STAT 437	Introduction to Applied Multivariate Analysis	
STAT 439	Introduction to Categorical Data Analysis	
STAT 448	Mixed Effects Models	
STAT 525	Biostatistics	
STAT 528	Statistical Quality Control	
STAT 541	Experimental Design	
Total Credits		12

Current graduate students must:

- Apply for program through the Graduate School's admission process (https://www.montana.edu/gradschool/admissions/getting_started.html).
- Obtain a grade of B or better in all coursework counted toward the certificate.

Non degree seeking students must:

- Apply for program through the Graduate School's admission process (https://www.montana.edu/gradschool/admissions/getting_started.html)
- Obtain a grade of B or better in all coursework counted toward the certificate.