

APPLIED STATISTICS GRADUATE CERTIFICATE

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Footnote

¹ Elective courses should be chosen based on students' professional goals.

Degree Requirements

The Department of Mathematics and Statistics will offer a new graduate certificate in applied statistics starting Fall 2023.

The Graduate Certificate program in Applied Statistics is a four-course program that can be completed in three to four semesters alongside a graduate degree program in another discipline or as a stand-alone program by working professionals interested in expanding their knowledge in analyzing and interpreting data. It will prepare students for the job market where data analyses skills are preferred. It is aimed to:

- Provide knowledge of designing studies for data collection in a variety of situations.
- Educate students about assumptions behind different statistical methods and how to check them.
- Prepare students to identify appropriate statistical analyses techniques for given situations.
- Prepare students to perform basic statistical data analysis needed for their research.

Pre-requisite is a bachelor's degree in any discipline. Students will be required to complete 12 hours of class work, from which two courses (ST 540 and ST 545) are mandatory and the other two are to be chosen from the courses listed below. Twelve hours of course work must be completed with no grade lower than "B". A minimum 3.0 GPA is required to obtain the certificate. Possible courses are:

Code	Title	Hours
Required Courses		
ST 540	Stat in Research I	3
ST 545	Stat in Research II	3
Elective Courses		
Select two of the following: see footnote table below (p.) ¹		6
ST 525	Appl Stat for Clinical Trials	
ST 550	Environmental Statistics	
ST 555	Categorical Data	
ST 560	Appl Desgn & Analysis of Exper	
ST 575	Stat Computing and Graphics	
ST 580	Stat Learning Tech in Data Sc	
ST 585	Nonparametric Modeling	
ST 590	Sp Topic:	
Total Hours		12

For further information about the program contact

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