

STATISTICAL DATA SCIENCE, CERTIFICATE

The Certificate in Statistical Data Science provides an opportunity for those who already have a Bachelor's degree to acquire additional data analytics skills. With a variety of courses to choose from, the certificate program can be tailored to one's particular needs or interests.

The courses are taught from an applications perspective, so they are accessible to students from a variety of technical and non-technical backgrounds. Because many of the courses are available either in the evenings or through an online format, the certificate can be completed by those whose job or family responsibilities preclude attending daytime classes.

Admission Requirements

- 1) Admission to the Graduate School.
- 2) An introductory statistics course, either at the undergraduate or graduate level.

Code	Title	Hours
<i>Required Courses</i>		
STAT:665 or STAT:562	Regression ¹ Applied Regression and ANOVA	3
STAT:580	Statistical Data Management	3
<i>Electives – Choose any three of the following</i>		
STAT:576	Bayesian Statistics	3
CPSC:545	Introduction to Bioinformatics	3
STAT:577	Time Series Analysis	3
STAT:583	Advanced Statistical Computing	3
STAT:584	Introduction to Machine Learning	3
STAT:585	Applied Analytics-Decision Trees	3
STAT:586	Spatial-temporal Statistics	3
STAT:668	Multivariate Statistical Methods	3

¹ STAT:562 Applied Regression and ANOVA is 4 credits