

# DATA ANALYTICS GRADUATE CERTIFICATE

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This program is available at the following location:

- Ecampus

Examine the role statistics play in the collection and interpretation of data in the online Graduate Certificate in Data Analytics. You will explore real data problems that are interesting and challenging as you equip yourself with the quantitative tools needed to gather, analyze and interpret data on a massive scale.

**Certificate Code: CG17**

*Upon successful completion of the program, students will meet the following learning outcomes:*

- Describe and apply the basic principles of statistical inference and commonly used statistical models, machine-learning tools, and database tools.
- Select appropriate statistical and computational methods and apply analytical skills to effectively summarize, visualize, and make valid inferences from data.
- Fit and evaluate simple and multivariate linear regression models and generalized linear models.
- Perform appropriate analyses on time-series data and multidimensional data.
- Communicate quantitative results to individuals who may not have expertise in either statistics or computer science.
- Articulate principles of statistical and data ethics.

Code	Title	Credits
<b>Required Core</b>		
ST 516	FOUNDATIONS OF DATA ANALYTICS	4
ST 517	DATA ANALYTICS I	4
ST 518	DATA ANALYTICS II	4
ST 558	MULTIVARIATE ANALYTICS	3
ST 566	TIME SERIES ANALYTICS	3
<b>Total Credits</b>		<b>18</b>

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