

# Graduate Certificate in Accounting Data Analytics

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The Graduate Certificate in Accounting Data Analytics will provide students an opportunity to develop a data analytics skill set within the subject of accounting. Students will be provided an introduction to tools utilized in the analysis of data from a business perspective, and how those data analysis tools can be utilized within the accounting industry to make informed business decisions based on past and present trends to lead into the future.

Students with the certificate will develop skills in the following areas:

- Extracting, transforming and loading data.
- Using the appropriate method and software to analyze data.
- Interpreting and communicating data-driven results to stakeholders.
- Understanding the abilities and limitations of data when answering stakeholder-relevant questions.

Student learning objectives align with the understanding and application of an analytical mindset related to data utilized in the accounting industry. Given the large amount of data processed by accountants, the industry has evolved to include a large focus on understanding large data sets and interpreting trends within the data to understand the business.

The certificate is open to graduate-level students as either an in-degree or stand-alone certificate program.

## Requirements

- 12 completed credit hours
- 3.0 GPA in the 12 credit hours completed
- Students choose 3 credit hours from each of following course categories:

### Programming & Data Science

MANGMT 7201	Topics in Management (Programming & Data Science)	3
or MRKTNG 8800 & MRKTNG 8810	R for Marketing Analytics and Python for Marketing Analytics	

### Data Visualization

ACCTCY 8428	Data Visualization and Data Mining	3
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### Statistical Analysis

ACCTCY 8420	Data Based Decision Making	3
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### Accounting Electives

ACCTCY 8414	Audit of Internal Controls	3
or ACCTCY 8444	Advanced Audit	
or ACCTCY 8437	Strategic Cost Analysis	
or ACCTCY 8448	Emerging Issues in Accounting Information Systems	