

DATA SCIENCE WITH SQL AND TABLEAU CERTIFICATE

Program Description

Proficiency in structured query language (SQL) is fundamental for anyone working with data. Used in organizations large and small, learning SQL will prepare you to quickly query raw data and transform it into meaningful visualizations using tools like Tableau to help you make business decisions.

This certificate program is designed to help you analyze data in a relational database and develop your understanding of the relationship between SQL and data visualizations. You will use SQL and fundamental database concepts to create a normalized database, manipulate the data within the database, and extract the data from the database, discovering how to convert business questions into SQL queries that extract answers from your data.

After developing your skills working with databases, you will take raw data and create robust data visualizations using Tableau. You'll explore a wide variety of charts and learn how to select the best chart to convey the meaning in your data. This combination of being able to both work with and present data to key stakeholders will prepare you to bring value to any data-centric organization.

You will be most successful in this program if you have an understanding of basic statistical concepts.

The courses in this certificate program are required to be completed in the order that they appear.

Key Takeaways

- Write SQL queries for a relational databases
- Manipulate data in a relational database using SQL
- Create visualizations that transform raw data into actionable information that drives decisions
- Improve data visualizations to ensure they resonate with the target audience
- Tell a compelling story with your data to gain stakeholder buy-in

What You'll Earn

- SQL and Data Visualization Certificate from Cornell University Center for Advanced Computing
- 50 Professional Development Hours (5 CEUs)

Who Should Enroll

- Data scientists
- Business analysts
- Developers
- Professionals who work with databases or data warehouses
- Marketing analysts
- Career starters

Total Investment

- 2.5 months to complete all the courses

How To Enroll

For more information and to enroll, please visit Data Science with SQL and Tableau Certificate (<https://ecornell.cornell.edu/certificates/data-science-analytics/data-science-with-sql-and-tableau/>).

Courses

Code	Title	Hours
eCornell CAC111	Querying Relational Databases	0
eCornell CAC112	Working with Data Using SQL	0
eCornell CAC113	Creating Data Visualizations with Tableau	0
eCornell CAC114	Enhancing Data Visualizations with Tableau	0
eCornell CAC115	Telling a Data-Driven Story with Tableau	0