COLUMBUS STATE
ACCELERATED TRAINING

Data Analytics Certificate

In today's data-driven world, organizations need professionals who can turn complex information into actionable insights. From business and healthcare to logistics and technology, data analytics is reshaping how decisions are made.

The **Data Analytics Certificate** from **Columbus State Community College** is a hands-on, noncredit program designed to help you develop the skills and experience needed to collect, interpret, and communicate data in a meaningful way.

Why Choose This Program?

Practical, real-world focus: Learn the tools and techniques used by data professionals.

Cohort-based support: Work through the program alongside peers with guidance from experienced instructors.

Portfolio-ready results: Complete a real-world capstone project you can showcase to employers or use as a foundation for career advancement.

Career-flexible skills: Whether you work in operations, marketing, IT, or finance, the ability to understand and analyze data is in high demand across industries.

What You'll Learn

This program builds a well-rounded data analytics skill set. You'll gain hands-on experience in:
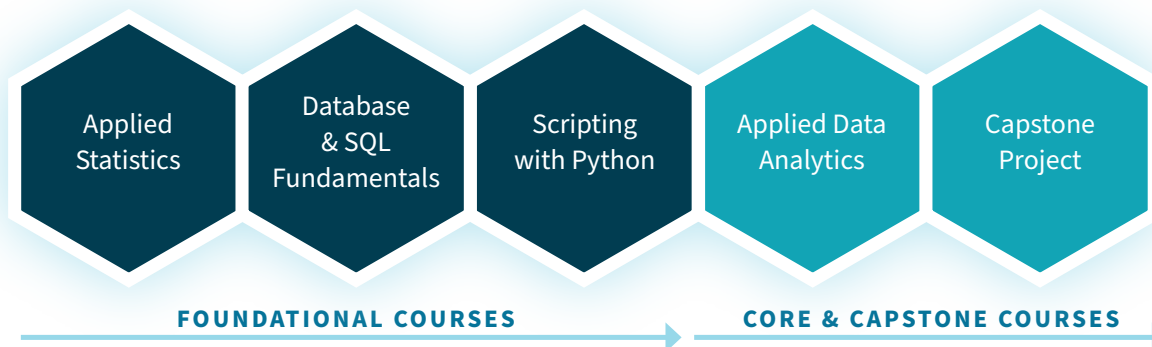
- **Statistical analysis and critical thinking**
- **SQL and relational database querying**
- **Python scripting for data preparation and analysis**
- **Data visualization and storytelling**
- **The complete data analytics workflow, from raw data to presentation**

The program culminates in a capstone project, allowing you to apply everything you've learned to solve a real-world problem and demonstrate your skills to future employers.

Who Should Enroll

This program is ideal for:

- Professionals in business, technology, healthcare, logistics, and other fields looking to strengthen their data literacy.

- Anyone interested in transitioning into a career in data analytics or business intelligence.

- Individuals with some prior experience working with spreadsheets, data tools, or systems—but no previous analytics background required.

Applied Statistics

Database & SQL Fundamentals

Scripting with Python

Applied Data Analytics

Capstone Project

COLUMBUS STATE
DATA ANALYTICS

FOUNDATIONAL COURSES

CORE & CAPSTONE COURSES

Data Analytics Certificate Courses

FOUNDATION COURSES

Applied Statistics

Develop core statistical thinking skills used in data analysis. Topics include probability, data distributions, regression, and hypothesis testing. Students use software tools to explore and interpret data in business-relevant scenarios.

Database & SQL Fundamentals

Gain experience working with relational databases and structured query language (SQL). Learn how to design, manage, and query databases to extract and structure data. Skills taught in this course are applicable to data analysts, cybersecurity professionals, and software developers alike.

Scripting with Python

Learn how to use Python for data manipulation and automation. Topics include syntax, data types, loops, functions, and error handling. The course emphasizes writing clean, functional code for data preparation and analysis tasks.

CORE & CAPSTONE COURSES

Applied Data Analytics

Bring your foundational skills together to work through the complete analytics process. Students analyze, model, and visualize data using tools like Python and Tableau, and practice presenting insights clearly and effectively.

Capstone Project

Work on a final project that demonstrates your ability to apply statistical techniques, SQL, Python, and visualization to a real-world dataset. You'll develop a professional presentation or report that reflects the full scope of your learning.

For program dates and tuition information visit cscc.edu/it-workforce or email acceleratedtraining@cscc.edu

Ready to Put Data to Work?

Whether you're looking to grow in your current role or pivot into a new career, **Columbus State's Data Analytics Certificate** gives you the tools, experience, and confidence to succeed.

Take the next step—build your skills, your portfolio, and your future with data analytics.