BUSINESS ANALYTICS CERTIFICATE, STATEWIDE PROGRAM
Total Credits: 18
Catalog Edition: 2024-2025

Program Description

The certificate in Business Analytics is designed to meet the growing demand for highly skilled professionals with analytics expertise. The certificate provides an excellent opportunity for students who want to increase their data literacy, improve their marketability, and/or prepare for a career in business analytics. It is also suitable for those who wish to advance their professional careers by supplementing their work experience or an existing college or graduate degree with business analytics knowledge. Students will use mathematics, statistics, and data science to gain hands-on experience in using Excel, R, Tableau, and SQL in business analytics to summarize, visualize, and analyze data.

Program Outcomes

Upon completion of this program a student will be able to:

- Employ business analytics tools and techniques for the purpose of using data to inform organizational decision-making related to core business functions.
- Demonstrate competency using appropriate statistical methods to engage in descriptive, predictive, and prescriptive analytics to gain business insights.
- Develop original analyses and prescribe solutions related to scenarios involving the core business functions of operations, finance and accounting, marketing, and human resources.
- Summarize and communicate findings of analyses using charts, graphs, infographics, and dashboards.

Program Advisors

- Linda Fontaine (Coordinator), 240-567-4005, Linda.Fontaine@montgomerycollege.edu

- Jonathan Opata (Business), 240-567-7187, Jonathan.Opata@montgomerycollege.edu

- Angel Salinas-Gonzalez (Accounting), 240-567-3874, Angel.Salinas@montgomerycollege.edu

For more information, please visit https://www.montgomerycollege.edu/academics/programs/business-analytics/business-analytics-certificate.html

To view the Advising Worksheet, please visit https://www.montgomerycollege.edu/_documents/counseling-and-advising/advising-worksheets/current-catalog/267.pdf

BUSINESS ANALYTICS CERTIFICATE, STATEWIDE PROGRAM

Program Requirements

A suggested course sequence for full-time students follows. All students should review this advising guide and consult an advisor.

Program Requirements

BSAN 101 - Introduction to Business Analytics *3 semester hours*

MATH 117 - Elements of Statistics *3 semester hours* *

ACCT 221 - Accounting I *4 semester hours* **

CMSC 135 - Introduction to Scripting *3 semester hours*

DATA 110 - Data Visualization and Communication *3 semester hours*

BSAN 250 - Business Analytics Capstone *2 semester hours*

Total Credit Hours: 18

* MATH 117 requires Math and English Assessment.

** ACCT 221 requires students to have Assessment Level(s): ENGL 101/ENGL 011, MATH 050.

Transfer Opportunities

Montgomery College has partnerships with multiple four-year institutions and the tools to help you transfer. To learn more, please visit https://www.montgomerycollege.edu/transfer or http://artsys.usmd.edu .

Get Involved at MC!

Employers and Transfer Institutions are looking for experience outside the classroom.

MC Student Clubs and Organizations: https://www.montgomerycollege.edu/life-at-mc/student-life/

Related Careers

Some require a Bachelor's degree.
Data Scientist, Data Analyst, Data Engineer, Statisticians, Biostatisticians, Management Analysts.

Career Services

Montgomery College offers a range of services to students and alumni to support the career planning process. To learn more, please visit https://www.montgomerycollege.edu/career

Career Coach

A valuable online search tool that will give you the opportunity to explore hundreds of potential careers or job possibilities in Maryland and the Washington D.C. metropolitan area. Get started today on your road to a new future and give it a try. For more information, please visit https://montgomerycollege.emsicc.com

Notes: