BUSINESS ANALYTICS AA, STATEWIDE PROGRAM
Total Credits: 60
Catalog Edition: 2024-2025

Program Description

The associate of arts in Business Analytics is designed to meet the growing demand for highly skilled professionals with analytics expertise. The program grounds students in general business courses, including economics and accounting, and builds essential skills in business analytics, statistics, scripting in programming language, data visualization, and applied decision-making. You will gain hands-on experience in using Excel, R, Tableau, and SQL in business analytics to summarize, visualize, and analyze data. The program is designed for students planning to transfer to a four-year college and major in business analytics.

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.
- Understand, evaluate, and apply ethical principles and practices in the data lifecycle.
- 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
- **Angel Salinas-Gonzalez** (Accounting), 240-567-3874, Angel.Salinas@montgomerycollege.edu
- **Jonathan Opata** (Business), 240-567-7187, Jonathan.Opata@montgomerycollege.edu

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

To view the Advising Worksheet, please visit https://www.montgomerycollege.edu/_documents/counseling-and-advising/advising-worksheets/current-catalog/620.pdf

2024-2025

Program Advising Guide
An Academic Reference Tool for Students

620

BUSINESS ANALYTICS AA, STATEWIDE PROGRAM: 620
ASSOCIATE OF ARTS: 620

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Suggested Course Sequence

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

First Semester

ENGL 101 - Introduction to College Writing *3 semester hours* *

MATH 117 - Elements of Statistics *3 semester hours* (MATF)

Behavioral and Social Sciences Distribution *3 semester hours (BSSD)* ** ‡

COMM 112 - Business and Professional Speech Communication *3 semester hours* (HUMD)

OR

COMM 108 - Foundations of Human Communication *3 semester hours* (HUMD)

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

Third Semester

ECON 201 - Principles of Economics I *3 semester hours* (BSSD)

Natural Sciences Distribution with or without Lab *3 semester hours* (NSD)

Arts Distribution (ARTD), Humanities Distribution (HUMD) or Health (HLTH) General Education Course *3 semester hours (GEIR)* ‡

ACCT 221 - Accounting I *4 semester hours*

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

Second Semester

English Foundation*3 semester hours (ENGF)*

Arts Distribution*3 semester hours (ARTD)* ‡

PHIL 140 - Introduction to the Study of Ethics *3 semester hours* (HUMD)

CMSC 135 - Introduction to Scripting *3 semester hours*

MATH 150 - Elementary Applied Calculus I *4 semester hours*

OR

MATH 181 - Calculus I *4 semester hours* †

Fourth Semester

Natural Sciences Distribution with Lab 4 *semester hours (NSLD)*

ACCT 222 - Accounting II *4 semester hours*

BSAN 250 - Business Analytics Capstone *2 semester hours*

ECON 202 - Principles of Economics II *3 semester hours*

Total Credit Hours: 60

* ENGL 101/ENGL 011, if needed for ENGL 102/ENGL 103. Please consult an advisor or transfer institution for assistance with course selection.

** Behavioral and Social Sciences (BSSD) should be from different disciplines.

† Many, but not all, four year institutions require MATH 150 or MATH 181. Students should consult with an advisor regarding the requirements of transfer institutions.

‡ AA and AS programs require one global and cultural perspectives (GCP) General Education course.

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: