

Suggested Transfer Pathway

College of Southern Maryland Associate of Science in Data Science to
Frostburg State University Bachelor of Science in Business Administration (Business Analytics)
Total Credits: 62, Catalog Year: 2025-2026



College of Southern Maryland

(Courses may be taken in any order, pending prerequisites)

Year One – First Semester	Credits
ENG – 1010 Composition and Rhetoric	3
CSC – 1100 Practical Programming with Python	3
MTH – 1015 Introduction to statistics	3
ITS – 1055 Introductions to Computing	3
COM 1650 – Intro to Public Speaking*	3
TOTAL	15

Year One – Second Semester	Credits
ENG – 1020 Composition and Literature	3
ITS – 2480 Foundations of Data Science	3
MTH 1200 – Calculus I and Analytic Geometry	4
BIO 1060/1060L – Principles of Biology I*	4
TOTAL	14

Year Two – First Semester	Credits
CSC – 2591 Computer Science I	4
MTH 1210 – Calculus II	4
ECN – 2020 Principles of Microeconomics	3
SCE – 1010 Scientific Reasoning and the Modern World*	3
SPA – 1010 Elementary Spanish I*	3
TOTAL	17

Year Two – Second Semester	Credits
CSC – 2592 Computer Science II	4
ITS – 2450 Business Analytics and Data Visualization	3
MTH – 2500 Introduction to Discrete Math	3
ITS – 1120 Introduction to Database*	3
ECN – 2025 Principles of Macroeconomics	3
TOTAL	16

Please see agreement for details.



College of Southern Maryland Contact:
advisor@csmd.edu

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Year Three – First Semester	Credits
ACCT 211 Financial Accounting	3
BLAW 291 Legal Environment of Business	3
MGMT 251 Knowledge and App of Management Skills	3
MKTG 261 Principles of Marketing	3
MGMT 301 Data Modeling in Business	3
TOTAL	15

Year Three – Second Semester	Credits
ACCT 212 Managerial Accounting	3
MGMT 355 Operations and Supply Chain Mgmt.	3
MGMT 356 Leadership and Power in Global Orgs	3
MGMT 302 Applied Business Analytics	3
FINA 370 Corporate Finance	3
TOTAL	15

Year Four – First Semester	Credits
ACCT 365 Accounting Analytics	3
FINA 470 Financial Modeling	3
MGMT 405 Corporate Social Responsibility	3
COSC 220 Software Apps. For Business	3
DTSC 301 Data Modeling, Wrangling and Appl.*	3
TOTAL	15

Year Four – Second Semester	Credits
MKTG 468 Digital Marketing Analytics	3
MGMT 485 Strategic Management	3
DTSC 401 Data Privacy and Ethics in Data Science*	3
ART 100 Art Appreciation*	3
ENGL 330 Business Writing	3
TOTAL	15

*One of multiple course options is possible to meet this requirement. Students should consult with their advisor on course selection and visit ARTSYS to view all possible course options for this category.



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