

BUSINESS ADMINISTRATION, ASSOCIATE IN SCIENCE - DATA ANALYTICS OPTION

Program Description

The AS in Business Administration, Option in Data Analytics, is designed for those students desiring to transfer to a baccalaureate program in business and data analytics. This degree is a broad program of study that provides students with both business skills as well as a solid foundation in quantitative and programming skills. Students will generate insights from data allowing them to identify and predict business trends. Topics include computer databases, computer programming, inference, machine learning, optimization, probability and stochastic models, statistics, strategy, uncertainty quantification, and visual analytics.

Program Requirements

First Semester		Credit Hours
ENGL 151	English I	3.00000
MATH 156 or Higher ¹		3-6
ECON 151	Macroeconomic Principles	3
Humanities Gen. Ed. Requirement (https://catalog.ocean.edu/graduation-requirements-degree/approved-general-education-courses/#humanities)		3
STSC 150 or STSC 170	Student Success Seminar or Student Success Seminar for Business Majors	2
Credit Hours		14-17
Second Semester		Credit Hours
ENGL 152	English II	3
CSIT 165	Programming I	4.00000
BUSN 134	Principles of Marketing	3
CSIT 123	Integrated Office Software	3
ECON 152	Microeconomics Principles	3
Credit Hours		16
Third Semester		Credit Hours
ACCT 161	Principles of Accounting I	3
BUSN 251	Business Law I	3
CSIT 213	Database Management	3.00000
CSIT 168 or MATH 157	Introduction to Python Programming or	2-4
Lab Science Gen. Ed. Requirement (https://catalog.ocean.edu/graduation-requirements-degree/approved-general-education-courses/#lab)		4
Credit Hours		15-17
Fourth Semester		Credit Hours
ACCT 162	Principles of Accounting II	3
BUSN 271	Principles of Management	3
CSIT 126 or CSIT 185 or MATH 191 or CSIT 191	Intermediate Spreadsheets and Database ¹ or Networking I or Precalculus I or Introduction to Artificial Intelligence	3.00000
COMM 154	Fundamentals of Public Speaking	3.00000
Elective to meet 60 credits ²		3
Credit Hours		15
Total Credit Hours		60-65

¹ Most four-year business analytics degree programs require Statistics, yet many also desire Business Calculus or Calculus as the entry-level math course. Please discuss your course choices with your assigned advisor.

² BUSN 159 is a recommended elective.