PROGRAM OVERVIEW

The Bachelor of Science in **Data Analytics** provides a comprehensive understanding of big data development, processing, and analysis. The degree program prepares graduates to evaluate and propose business solutions using tools for data mining and statistical analysis. Coursework in the program includes study in mathematics, statistics, programming, and data management and analysis, designed to provide a foundation for graduates to enter a career in growing areas such as business intelligence, data science, data analysis, or statistics.
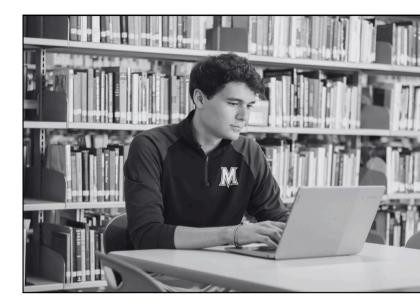
UNIVERSITY CORE (46 hrs.)

Specific courses within the University Core are listed in the University catalog, located at **catalog.macu.edu**.

Bible/Theology (12 hrs.)
Communication (9 hrs.)
U.S. History and Government (6 hrs.)
Science (6 hrs. plus 1 hr. of lab)
Math (3 hrs.)
Social Sciences (3hrs.)
Humanities (6 hrs.)

ELECTIVES (46 hrs.)

Students may replace electives with a specialization in Accounting, Bioinformatics, Business, Cybersecurity, Healthcare Management, Math, or Sports Management. For more information, please refer to the University catalog, located at **catalog.macu.edu**.

MAJOR CORE (30 hrs.)

CMSC 1203 Foundations of Programming
MATH 3403 Discrete Math
MATH 3703 Introduction to Statistics
MISE 4643 Database Management
MISE 4663 Business Intelligence/Data Analytics
CMSC 4103 Introduction to R for Data Analytics
MATH 4243 Regression Analysis
MATH 4113 Mathematical Modeling
CMSC 3463 Advanced Structured Query Language (SQL)
CMSC 3103 Analytics Management and Presentation

TOTAL REQUIRED HOURS: 122

Interested in learning more? *Contact us today!*
Phone: 888-888-2341
Email: enroll@macu.edu
WWW.MACU.EDU