Belmont University

Master of Science in Applied Analytics

2024-2025

1. Course Requirements - 24 Hours

1. BSA 6010 Understanding the Data Environment
2. BSA 6050 Database Modeling Design and Analysis
3. BSA 6100 Fundamentals of Programming with Python
4. BSA 6150 Visual Analytics and Data Storytelling
5. BSA 6350 Regression Analysis
6. BSA 6650 Data Engineering
7. BSA 6750 Artificial Intelligence and Machine Learning
8. BSA 6900 Analytics as a Business Strategy

2. Elective Requirements - 6 Hours

Each student in the program is required to take 6 elective hours (2 courses) beyond the MSAA core. Students may elect to follow a general MSAA track, selecting 6 hours of electives that are of interest or enhance their knowledge in more than one area. Alternatively, students may designate an area of specialization that provides a marketable documentation of concentrated academic work. Elective tracks allow each student to "customize" their MSAA program of study. Current elective tracks include Accounting, Business Systems & Analytics, Entrepreneurship, Finance, Health Care Management, and Music Business. Additional tracks may be added as determined by student interest.