

## Certificate of Graduate Study in Business Analytics

The Certificate of Graduate Study in Business Analytics prepares students to leverage data to create more efficient business processes and more accurate performance reporting – students learn how to handle and analyze big data to help their companies better compete in the global marketplace. If you have a penchant for business analysis, statistics, modeling or information systems you may wish to consider this certificate.

### Program Requirements

Students complete fifteen credits of study including twelve credits of required coursework and three credits of elective coursework, selected from a list of approved courses.

#### Required Courses (12 credits)

- MBA 504 Probability and Statistics for Business Decision Making\*
- MBA 676 Data Management & Business Analytics
- MBA 677 Information Visualization
- MBA 678 Predictive Analytics

#### Elective Courses (3 credits – choose one)

- MBA 669 Advanced Marketing Research
- MBA 670 Management Science
- MBA 672 Supply Chain Management
- MBA 675 Production Operations Management
- MPH 677 Regression Models in Health Sciences

\*Students who have successfully completed a statistics course that covers through multiple regression may waive MBA 504; in which case, the certificate may be completed with the remaining 12 credit hours.

### Admission Information

Applicants must have a bachelor's degree with a recommended, cumulative GPA of 3.0 or higher to be eligible for admission to a business graduate certificate program. Students may pursue a graduate certificate without matriculation in the MBA program. Students who later apply and are admitted to the MBA, may count some or all certificate courses toward the MBA (if the final grade is B (3.0) or higher).

Please visit [USM Admissions](#) for information on the graduate certificate program application process.

### Course Sequence

MBA 504 Probability and Statistics for Business Decision Making (or equivalent course through multiple regression) is a prerequisite to MBA 676 Data Management & Business Analytics.

MBA 676 Data Management & Business Analytics is a prerequisite for MBA 677 Information Visualization and MBA 678 Predictive Analytics.