

Statistics and Analytics Master of Science
Business Analytics Concentration Course Requirements

Required Core Areas (12 hours)

Statistical Methods Core:

- ISYS 5503 Decision Support and Analytics

Regression Analysis Core (One of the following):

- ◇ ESRM 6423 Multiple Regression Techniques for Education
- ◇ ISYS 5623 Multivariate Analysis
- ◇ ECON 5743 Introduction to Econometrics
- ◇ ECON 6613 Econometrics I
- ◇ STAT 5313 Regression Analysis

Multivariate Analysis Core (One of the following):

- ◇ ESRM 6453 Applied Multivariate Statistics
- ◇ ISYS 5723 Advanced Multivariate Analysis
- ◇ ECON 6623 Econometrics II
- ◇ STAT 5353 Methods of Multivariate Analysis

Experimental Design Core (One of the following):

- ◇ ESRM 6413 Experimental Design
- ◇ ISYS 5203 Experimental Design
- ◇ ECON 5433 Experimental Economics
- ◇ ECON 6913 Experimental Economics
- ◇ STAT 5373 Experimental Design

Required Track Courses (9 hours)

- ISYS 5103 Data Analytics Fundamentals
- ISYS 5833 Data Management Systems
- ISYS 5843 Seminar in Business Intelligence and Knowledge Management

Electives (9 hours)

Electives are chosen by the student in consultation with the Business Analytics Concentration Advisor. Electives may be any graduate course approved by the Advisor.