MDS degree requirements

Latest revision: 3/22/2016

Required
1st and 2nd year courses (All offered F and S)

- MATH 231
- STOR 155
- STOR 215
- MATH 232
- COMP 116 (or 110)
- ECON 101

2nd year Intro to Calculus
Intro to Econ courses
Data Analysis Decision Sci Programming
(All offered F and S)

- MATH 233

Required
upper-level courses

Group A (at least three required)

- STOR 305 (FS) Decision Making w/Spreadsheets
- STOR 556 (S) Adv. Methods of Data Analysis
- STOR 565 (S*) Machine Learning
- STOR 555 (F) Mathematical Statistics
- STOR 471 (F) Long Term Act Models
- STOR 472 (S) Short Term Act Models
- STOR 465 (S*) Simulation for Analytics

Students must choose two more courses from Group A or Group B.
Group B consists of:
- BIOS 511 (Stat Computing & Data Management), 664 (Sample Survey Methodology)
- BUSI 403 (Operations Management), 408 (Corporate Finance), 410 (Business Analytics), 532 (Service Operations), 533 (Supply Chain Management)
- COMP 401 (Found. of Programming), 410 (Data Structures), 521 (Files and Databases)
- ECON 410 (Micro Econ), 420 (Macro Econ), 511 (Game Theory)
- INLS 523 (Intro to Database Concepts & Appl)

For a Minor in MDS, the requirements are: STOR155, STOR215, and three STOR courses from the required upper-level courses or Group A.