Statistics and Analytics (STAN) degree requirements

Required 1st and 2nd year courses (All offered F and S):
- STOR 155 Intro to Data Analysis
- STOR 215 Foundations Decision Sci (or MATH 381)
- MATH 231 Calculus
- MATH 232 Calculus
- COMP 116 (or 110) Intro to Programming
- ECON 101 Intro to Econ (optional)

2nd year:
- Intro to Foundations Calculus
- Intro to Econ courses
- Data Analysis
- Decision Sci Programming (optional)

(All offered F and S)
- MATH 233 Multi-Var Calc
- STOR 320* (F) Data Analysis
- STOR 455* (FSSm) Methods of Decision Sci
- STOR 435 (FSSm) Intro to Probability
- MATH 547 (FS) Linear Algebra

Required upper-level courses:
- STOR 305 (F) Decision Making w/Spreadsheets
- STOR 556 (S) Adv. Methods of Data Analysis
- STOR 465 (S*) Simulation for Analytics
- STOR 565 (S*) Machine Learning
- STOR 555 (F) Mathematical Statistics
- STOR 445 (FS) Stochastic Modeling
- STOR 415 (S) Intro to Optimization

Group A (at least three required):
- STOR 445 (FS) Stochastic Modeling
- STOR 471 (F) Act Models
- STOR 472 (S) Short Term Act Models
- STOR 305 (F) Decision Making w/Spreadsheets
- STOR 556 (S) Adv. Methods of Data Analysis
- STOR 465 (S*) Simulation for Analytics
- STOR 565 (S*) Machine Learning
- STOR 555 (F) Mathematical Statistics
- STOR 471 (F) Act Models
- STOR 472 (S) Short Term Act Models

F = Fall, S = Spring, S* = Alternating Spring, Sm = Summer

*Students are allowed to take both STOR 320 and STOR 455 and use one of them as a Group A elective.
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 STAN, the requirements are: STOR155, STOR215, and three STOR courses from the required upper-level courses or Group A.