

# SIMPSON COLLEGE

# DATA ANALYTICS

## DATA ANALYTICS MINOR

### 5 COURSES REQUIRED:

- CmSc 150 Introduction to Programming (4 credits)
- MIS/CIS/Magt 145 Management Information Systems (4 credits)
- One statistics course, introductory level or above (4 credits)
  - Econ 135 Applied Statistics
  - Soc 210 Statistics for Social Science
  - Biol 135 Biostatistics
  - Psyc 215 Statistical Methods in Psychology (prereq – Psyc 214)
  - Math 302 Probability & Statistics II (prereq – Math 301)
- Math 208 Introduction to Data Modeling (4 credits)
- Four credits of data applications, preferably from the student's major field of study and approved by the Math Department chair and chair of department of course. All prerequisites for elective must be met. Possible courses are listed below. (4 credits)
  - Biol 372 Capstone Experience in Environmental Science
  - Chem 307 Instrumental Analysis
  - CIS 255 Introduction to Database Systems
  - CmSc 155 Data Structures and Object Oriented Programming
  - CmSc 250 Introduction to Algorithms and Algorithm Analysis
  - Econ 385 Econometrics
  - HSLD260 Fundamentals of Health Information Management and Informatics
  - Math 308 Data Science
  - MIS 340 Systems Analysis and Design
  - NaSc 102 Introduction to Meteorology
  - Phys 101 Introduction to Astronomy
  - Phys 271 Experimental Physics I
  - PoSc 285 Political Research
  - Psyc 375 Advanced Research I
  - Soc 321 Methods of Social Research I
  - SpSc 372 Research Methods in Exercise Science
- At least 3 courses in the minor must be taken outside of the student's major area of study.