SIMPSON COLLEGE
DATA SCIENCE

DATA SCIENCE MAJOR

REQUIRED COURSES: 12 courses + Capstone

- Math 151 Calc I
- Math 152 Calc II
- Math 208 Intro to Data Modeling
- Math 255 Linear Algebra
- Math 251 Calc III
- Math 265 Intro to Advanced Math or CmSc 175 Discrete Math
- Math 301 Prob & Stats I
- Math 302 Prob & Stats II
- CmSc 150 Intro to Programming
- CmSc 155 Data Structures & Object-Oriented Programming
- CmSc 250 Intro to Algorithms & Algorithm Analysis
- CIS 255 Intro to Database Systems & SQL

CAPSTONE:

- Math 308 Advanced Data Modeling
- Math 334 Internship Seminar (0 credits)
- ExpL 140 IL in Modeling or ExpL 145 CL in Modeling (0 credits)

It is strongly recommended that the student have a minor in a subject area where data analysis is used such as political science, psychology, sociology, biology, environmental science, neuroscience, business administration, health services leadership, or others.

Students may not get a major in two of the following: Mathematics, Actuarial Science, Data Science.