

SIMPSON COLLEGE

DATA SCIENCE

DATA SCIENCE MAJOR

REQUIRED: 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.