

Required Coursework

Course(s) Fulfilled

**3 HOURS FROM EACH OF THE FOLLOWING
FOUNDATIONAL AREAS:**

Statistics:

SDS 320E	Elements of Statistics
SDS 320H	Elements of Statistics: Honors
SDS 315	Statistical Thinking

Data Science:

SDS 322E	Elements of Data Science
SDS 313	Introduction to Data Science

Programming:

C S 303E*	Elements of Computers and Programming
C S 312*	Introduction to Programming
C S 312H*	Introduction to Programming: Honors
C S 314	Data Structures

***Note:** CBE of CR, or transfer credit of C- or better, may be used to fulfill this requirement.

**6 HOURS SELECTED FROM ANY OF THE FOLLOWING
SUPPLEMENTARY COURSES AND AREAS:**

Regression/Modeling:

SDS 324E	Elements of Regression Analysis
SDS 334	Intermediate Statistical Methods
STA 372T.21	Time Series Forecasting

Machine Learning:

SDS 326E	Elements of Statistical Machine Learning
SDS 336	Practical Machine Learning

Databases:

C S 327E**	Elements of Databases
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Probability/Mathematical Statistics/Statistical Inference:

SDS 321	Introduction to Probability and Statistics
SDS 431	Probability and Statistical Inference
M 362K	Probability I
M 378K	Introduction to Mathematical Statistics

Data Visualization:

SDS 366	Data Visualization
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****Note:** This course has prerequisites C S 313E, 314, or 314H with a grade of at least C-.

Note: Students who have taken SDS major restricted courses including SDS 313, SDS 315, SDS 431, SDS 334, and SDS 336 and who are no longer pursuing the SDS major may use those courses to fulfill minor requirements.