

## REQUIRED COURSEWORK

### 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

Course(s) Fulfilled

### 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

#### 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

Course(s) Fulfilled