Statistics Curriculum
Sample 4-Year Plan

Semester

1

STAT 2600
Introduction to Data Science

APPM 1350
Calculus 1 for Engineers

APPM 1650
Python for Stat/Math

Gen Ed
Lower Division Writing

Gen Ed
Natural Science with Lab

2

APPM 1360
Calculus 2 for Engineers

APPM 2340 or 2350
Calculus 3 for Stats/Data Science or Calculus 3 for Engineers

Gen Ed
Arts and Humanities

Gen Ed
Social Sciences/GLOBAL Perspective

3

STAT 3100
Applied Probability

APPM 3310
Matrix Methods and Applications

Outside Area of Emphasis

Gen Ed
Arts and Humanities

Gen Ed
Social Sciences

4

STAT 3400
Applied Regression

Outside Area of Emphasis

Gen Ed
Social Sciences

Elective

5

STAT 4610
Statistical Learning

STAT 4520
Mathematical Statistics

Outside Area of Emphasis

Gen Ed
Upper Division Writing

Gen Ed
Arts and Humanities

6

STAT 4400
Advanced Statistical Modeling

Elective

Outside Area of Emphasis

Gen Ed
Arts and Humanities

Gen Ed
Social Sciences

7

STAT Elective

APPM 4680
Statistical Collaboration

Outside Area of Emphasis

Gen Ed
Social Sciences

Elective

8

STAT Elective

APPM 4560
Markov, Queues, and Monte Carlo Simulations

Outside Area of Emphasis

Elective

Updated Spring 2021