Statistics Major Requirements (Flow chart) starting Fall 2019

STATS MAJOR: Computer Programming

COMP SCI 200 (3), 220 (4), 300 (3), 320 (4), 400 (3), 412 (3)

STATS MAJOR: MATH

MATH 221 (5) Calculus 1

MATH 222 (4) Calculus 2

MATH 234 (4) Calculus 3

MATH 220 (3), 340 (3), 341 (3) Linear Algebra

STAT 302*, 301(3), 324(3), 371(3), 240(4) Intro Stats

STAT 309(3), 311(3), 431(3) Probability

STAT 424 (3) Statistical Model

STAT 333 (3) or 340 (4) Statistical Model

STAT 303 (1) Intro Stat: R

Stat Elective (3)

Stat Elective (3)

Stat Elective (3)

Stat Elective (3)

Stat Elective (3)

MATH Elective

STAT 310 (3) Inference

Stat Elective

304 (1): R for Statistics 2
305 (1): R for Statistics 3
327 (1): Learning a Statistical Language
349 (3): Introduction to Time Series
351 (3): Introductory Nonparametric Statistics
360 (1-3): Topics in Statistics Study Abroad
411 (3): An Introduction to Sample Survey Theory & Methods
421 (3): Applied Categorical Data Analysis
433 (3): Data Science with R
443 (3): Classification & Regression Trees
451 (3): Marching Learning & Statistical Pattern Classification

Stat Elective

453 (3): Intro to Deep Learning & Generative Models
456 (3): Applied Multivariate Analysis
461 (3): Financial Statistics
471 (3): Intro to Computational Statistics
475 (3): Intro to Combinatorics
479 (1-3): Special Topics in Statistics
525 (3): Linear Optimization
575 (3): Statistical Methods for Spatial Data
632 (3): Intro to Stochastic Processes
641 (3): Statistical Methods for Clinical Trials
642 (3): Statistical Methods for Epidemiology
679 (1-3): Special Topics in Statistics