

DEGREE PLANNING GUIDE: 2020-21

B.S. in Statistics, Concentration in Applied Statistics

Beginning with MATH 113

First year (<28 credits)	Sophomore (28-59 credits)	Junior (60-91 credits)	Senior (92+ credits)
Semester 1 MATH 113	Semester 1 STAT 220 CISC 131 <i>or</i> CISC 130	Semester 1 STAT 320 STAT Elective	Semester 1 STAT 400 STAT Elective
Semester 2 MATH 114	Semester 2 MATH 128 <i>or</i> MATH 240 STAT Elective	Semester 2 STAT 360 STAT Elective	Semester 2 STAT 460

Beginning with MATH 108

First year (<28 credits)	Sophomore (28-59 credits)	Junior (60-91 credits)	Senior (92+ credits)
Semester 1 MATH 108	Semester 1 STAT 220 MATH 114	Semester 1 STAT 320 STAT Elective	Semester 1 STAT 400 STAT Elective
Semester 2 MATH 109	Semester 2 MATH 128 <i>or</i> MATH 240 CISC 131 <i>or</i> CISC 130	Semester 2 STAT 360 STAT Elective	Semester 2 STAT 460 STAT Elective

Requirements for Degree

Program Core Courses

MATH 113 Calculus I
or MATH 108 *and* MATH 109 Calculus with Review
 MATH 114 Calculus II
 MATH 128 Introduction to Discrete Mathematics
or MATH 240 Linear Algebra
 CISC 131 (*or* 130) Programming & Problem Solving
 STAT 360 Computation Methods in Statistics
 STAT 400 Data Mining and Machine Learning
 STAT 460 Statistical Research/Practicum

Program Concentration Courses

STAT 220 Introduction to Statistics
 STAT 320 Applied Regression Analysis

Sixteen credits of electives from the following list:

STAT 310 Biostatistics
 STAT 336 Data Communication and Visualization
 STAT 370 Bayesian Statistical Models and Credibility
 STAT 380 Spatial Statistics
 STAT 413 Generalized Linear Mixed Models
 STAT 414 Network Models and Simulations
 STAT 490 Topics in Statistics
 ACSC 364 Math Finance