STATISTICS MAJOR CHECKLIST

Academic Year 2019-2020

Core Courses:

☐ MAT 129 Calculus I
☐ MAT 229 Calculus II
☐ OR
☐ MAT 128 Calculus A
☐ MAT 227 Calculus B
☐ MAT 228 Calculus C
☐ MAT 194 Mathematical Sciences Seminar
☐ STA 250 Probability and Statistics I
☐ STA 314 Design and Analysis of Experiments
☐ STA 341 Statistics II
☐ STA 360 Statistical Computing
☐ STA 489 Comprehensive Exam

18 Hours of 300-level or above courses in STA or MAT (with advisor approval)

9 Hours in STA Courses

☐ STA 312 Elementary Survey Sampling
☐ STA 314 Design and Analysis of Experiments
☐ STA 316 Regression Analysis
☐ STA 317 Introduction to Time Series Analysis
☐ STA 340 Probability II
☐ STA 370 Introduction to Statistical Consulting
☐ STA 419 Applied Multivariate Analysis
☐ STA 450 Introduction to Actuarial Science
☐ STA 470 Supervised Statistics Consulting

9 Additional Hours in MAT/STA Courses

☐ (may include MAT 234)

A grade of 'C-' or better is required in each course applied to the major. At least 9 semester hours towards the major must be taken at NKU

1 Course listing (please refer to our website math.nku.edu for the most current courses available.)

STA 312 Elementary Survey Sampling
STA 314 Design and Analysis of Experiments
STA 316 Regression Analysis
STA 317 Introduction to Time Series Analysis
STA 340 Probability II
STA 370 Introduction to Statistical Consulting
STA 419 Applied Multivariate Analysis
STA 450 Introduction to Actuarial Science
STA 470 Supervised Statistics Consulting

2 A full listing of all MAT courses can be found on our website math.nku.edu. (MAT 234 Linear Algebra applies toward the 18 hours of electives.)

The Double Major in Mathematics and Statistics: A double major in mathematics and statistics consists of satisfying the degree requirements of both majors with a minimum of 58 credit hours of courses applicable to either major.