## STATISTICS MAJOR CHECKLIST

**Academic Year 2018-2019**

### 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 380 Statistical Computing
- [ ] STA 489 Comprehensive Exam

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

**ELECTIVES:**

1. **9 Hours in STA Courses**
   - [ ] STA 302 Statistical Computing
   - [ ] 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. **9 Additional Hours in MAT/STA Courses**
   - [ ] MAT 234 Linear Algebra

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.

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

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

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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.