**Statistics Major Checklist**

**Academic Year 2014 - 2015**

### CORE COURSES:

- □ MAT 129 Calculus I  
- □ MAT 229 Calculus II  
- □ 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  
- □ MAT 228 Calculus C  
- □ MAT 227 Calculus B  
- □ MAT 128 Calculus A

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

### ELECTIVES:

- **18 Hours of 300-level or above courses in STA or MAT (with advisor approval)**
  - 9 Hours in STA Courses  
    - □ __________________________
    - □ __________________________
    - □ __________________________
  - 9 Additional Hours in MAT/STA Courses
    - □ __________________________
    - □ __________________________
    - □ __________________________

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](http://www.math.nku.edu) for the most current courses available.)

- STA 312 Elementary Survey Sampling  
- 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](http://www.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.