

## Statistics Specialization Requirement Checklist

For students declaring the specialization on or after

February 1, 2023

Each line represents a major or correlate requirement for the Statistics specialization. Please check off the requirements as completed and indicate which courses are satisfying them. Please note that these requirements do not include TCNJ's liberal learning and language requirements.

### 1. Required Core Courses:

- a. \_\_MAT 128: Calculus B
- b. \_\_MAT 200: Proof Writing Through Discrete Mathematics
- c. \_\_MAT 205: Linear Algebra
- d. \_\_MAT 229: Multivariable Calculus
- e. \_\_MAT 275: Sophomore Seminar
- f. \_\_MAT 316: Probability
- g. \_\_STA 215: Statistical Inference
- h. \_\_STA 305: Regression Analysis
- i. \_\_STA 410: Mathematical Statistics
- j. \_\_STA 498 Capstone

### 2. MAT/STA Options: Five additional course units

- a. \_\_STA: Course with number 300 or above\*                      Course taken: \_\_\_\_\_
- b. \_\_STA: Course with number 300 or above\*                      Course taken: \_\_\_\_\_
- c. \_\_STA: Course with number 300 or above\*                      Course taken: \_\_\_\_\_
- d. \_\_MAT/STA: Course with number 300 or above\*                  Course taken: \_\_\_\_\_
- e. \_\_MAT/STA: Course with number 300 or above\*                  Course taken: \_\_\_\_\_

\*At most one course unit of courses numbered 39x or 49x (not counting the Capstone) may be counted towards the major.

### 3. Correlate requirements:

- a. Computer Science Requirements:
  - i. \_\_\_\_ CSC220
- b. Lab Science Requirement (one course unit, check one):
  - i. \_\_BIO 201 Foundations of Biological Inquiry
  - ii. \_\_CHE 201 General Chemistry I
  - iii. \_\_PHY 201 General Physics I

\* Or any lab course in Biology, Chemistry, or Physics numbered 200 or higher approved by the department
- c. Additional Science Requirement
  - i. \_\_A second course in Biology, Chemistry, or Physics numbered 200 or higher approved by the department                      Course taken: \_\_\_\_\_