Mathematics Specialization Requirement Checklist
(For students declaring the specialization on or after Fall 2018)

Each line represents a major or correlate requirement for the Mathematics 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 127: Calculus A
    b. ___MAT 128: Calculus B
    c. ___MAT 200: Proof Writing Through Discrete Mathematics
    d. ___MAT 205: Linear Algebra
    e. ___MAT 229: Multivariable Calculus
       (There is a required minimum GPA of 2.5 for the set of courses MAT 127, 128, 200, 205, 229.)
    f. ___MAT 275: Sophomore Seminar
    g. ___MAT 305: Abstract Algebra
    h. ___MAT 310: Real Analysis
    i. ___MAT 498 Capstone

2. MAT/STA Options: Six additional course units
    a. ___MAT: Course with number between 400 and 480   Course taken: _____
    b. ___MAT: Course with number between 400 and 480   Course taken: _____
    c. ___MAT: Course with number 300 or above*   Course taken: _____
    d. ___MAT: Course with number 300 or above*   Course taken: _____
    e. ___MAT: Course with number 300 or above*   Course taken: _____
    f. ___MAT: Course with number 300 or above*, or
       BIO 471/CSC 471, CHE 372, CSC 335, CSC 445, FIN 360, PHY 401, or STA 410.
            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 Requirement:
        i. ___CSC 220 or CSC 250
    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