**Mathematics Secondary Education Requirement Checklist**

Each line represents a major or correlate requirement for the Mathematics Secondary Education major. 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 Courses:

MAT 128: Calculus B

\_\_\_\_\_\_\_MAT 200: Proof Writing Through Discrete Mathematics

\_\_\_\_\_\_\_MAT 205: Linear Algebra

\_\_\_\_\_\_\_MAT 229: Multivariable Calculus

\_\_\_\_\_\_\_MAT 255: Perspectives on the Development of Mathematics

\_\_\_\_\_\_\_MAT 301: Number Theory

\_\_\_\_\_\_\_MAT 305: Abstract Algebra

\_\_\_\_\_\_\_MAT 310: Real Analysis

\_\_\_\_\_\_\_MAT 351: Geometry

\_\_\_\_\_\_\_MAT 497: Topics in Secondary Mathematics from an Advanced Viewpoint

\_\_\_\_\_\_\_EFN 299: Schools, Communities, & Culture

\_\_\_\_\_\_\_SED 224: Adolescent Learning and Development

\_\_\_\_\_\_\_SPE 103: Social & Legal Foundations of Special Education

\_\_\_\_\_\_\_MTT 380: Methods of Teaching Mathematics I

\_\_\_\_\_\_\_MTT 390: Methods of Teaching Mathematics II

\_\_\_\_\_\_\_SED 399: Pedagogy in Secondary Schools

\_\_\_\_\_\_\_RAL 328: Reading in Secondary Education

\_\_\_\_\_\_\_MTT 490: Student Teaching in Mathematics (2 units)

\_\_\_\_\_\_\_SED 498: Collaborative Capstone for Professional Inquiry

1. MAT/STA Options: Two additional course units
   1. MAT/STA: Course with number 300 or above Course taken:
   2. MAT/STA: Course with number 300 or above Course taken:
2. Correlate requirements:
   1. CSC 220
   2. \_\_\_\_STA 216
   3. Lab Science Requirement (one course unit, check one):
      1. BIO 201 Foundations of Biological Inquiry
      2. CHE 201 General Chemistry I
      3. PHY 201 General Physics I