

## 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 351: Geometry
- \_\_\_\_\_ MAT 497: Topics in Secondary Mathematics from an Advanced Viewpoint
  
- \_\_\_\_\_ EFN 299: Schools, Communities, & Culture
- \_\_\_\_\_ SED 224: Adolescent Learning and Development
- \_\_\_\_\_ SPE 322: Inclusive Practices
- \_\_\_\_\_ 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

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

- a. \_\_\_\_\_ MAT 310, MAT 316, or MAT 326                      Course taken: \_\_\_\_\_
- b. \_\_\_\_\_ MAT/STA: Course with number 300 or above                      Course taken: \_\_\_\_\_

### 3. Correlate requirements:

- a. \_\_\_\_\_ CSC 120 or MAT 270/203 or CSC 220
- b. \_\_\_\_\_ STA 216
- c. 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