BS/MAT Mathematics Checklist

Undergraduate Coursework

1. MAT 131/132______ or MAT 125/126/127______ or MAT 141/142______ or AMS 151-161______
   Calculus I/II     Calculus A/B/C     Honors Calc I/II     Applied Calc I/II

2. MAT 203______ o MAT 205______ or AMS 261______
   Calc III with Applications     Calc III     Applied Calc. III

3. MAT 211______ or AMS 210______
   Linear Algebra     Applied Linear Algebra

4. MAT 200______
   Logic, Language, and Proof

5. MAT 303______ or AMS 361______
   Calc IV with applications     Applied Calculus IV

6. MAT 331______ or CSE 110 or CSE 114______
   Computers and Math Prblm Slvng     Possible substitutes

7. MAT 312______ or MAT 313______
   Applied Algebra     Algebra

8. MAT 360______ or MAT 364______
   Geometric Structures     Topology and Geometry

9. MAT 319______ or MAT 320______
   Foundations of Analysis     Introduction to Analysis

10. AMS 310______
    Probability and Statistics

11. MAT 310______
    Linear Algebra

12. MAT 322______ or MAT 324______ or MAT 341______ or MAT 342______
    Analysis in Several Dimensions     Measure Theory     Applied Real Analysis     Applied Complex Analysis

13. MAT 336______
    Math History

14. Six additional units of approved mathematics coursework.

   a. ___________________     b. ___________________
    Mathematics Elective     Mathematics Elective

15. PSY 327______

16. CEF 347: Special Education
Graduate Coursework

1. MAT 517 ___________  
   Calculators and Computers for Teachers

2. Two 500-level mathematics content courses, to be approved by director of MAT in mathematics.
   a. __________________  
      Content Elective
   b. __________________  
      Content Elective

3. MAE 501 ___________  
   Fundamentals of Secondary Math Curriculum

4. MAE 510 ___________  
   Methods I

5. MAE 520 ___________  
   Methods II

6. MAE 530 ___________ and MAE 540 ___________  
   Directed Readings in Math Education and Clinical Experience

7. MAE 551 ___________ and MAE 552 ___________ and MAE 554 ___________  
   Student Teaching Middle Grades and Student Teaching High School and Student Teaching Seminar

8. LIN 544 ___________  
   Language Acquisition and Literacy Development

9. CEE 505 ___________  
   Education: Theory and Practice