Combined BS/MAT Mathematics Program

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______ or 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__________
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**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. ____________________
   b. ____________________
   Content Elective
   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 Clinical Experience

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

8. LIN 544 ____________
   Language Acquisition and Literacy Development

9. CEE 505 ____________
   Education: Theory and Practice