

BS/MAT Mathematics Checklist

Student _____

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
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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 _____ *MAE 330 may NOT be substituted*
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. _____
Mathematics Elective
 - b. _____
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 _____
Foundations 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