

Name \_\_\_\_\_ Stony Brook ID \_\_\_\_\_

## Checklist for Major Requirements (NOT FOR MAJORS IN SECONDARY EDUCATION)

1. MAT 125/126/127 \_\_\_\_\_ or MAT 131/132 \_\_\_\_\_ or MAT 141/142 \_\_\_\_\_ or AMS 151/161 \_\_\_\_\_  
(Calculus A/B/C) (Calculus I/II) (Analysis I/II) (Applied Calculus I/II)
2. MAT 203 \_\_\_\_\_ or AMS 261 \_\_\_\_\_ or MAT 307 \_\_\_\_\_  
(Calculus III w/applications) (Applied Calculus) (Multivariable Calculus w/Linear Algebra)
3. MAT 211 \_\_\_\_\_ or MAT 220 \_\_\_\_\_ or AMS 210 \_\_\_\_\_ **Waived if completed MAT 307 and MAT 308**  
(Intro to Linear Algebra) (Linear Algebra and Geometry) (Applied Linear Algebra)
4. MAT 303 \_\_\_\_\_ or AMS 361 \_\_\_\_\_ or MAT 308 \_\_\_\_\_  
(Calculus IV w/applications) (Applied Calculus IV) (Differential Equations w/Linear Algebra)
5. MAT 200 \_\_\_\_\_ or MAT 250 \_\_\_\_\_ or MAT 200 Challenge Exam \_\_\_\_\_  
(Language Logic Proof) (Introduction to Advanced Mathematics) **For a list of topics and problems go to [www.math.stonybrook.edu/mat200](http://www.math.stonybrook.edu/mat200)**
6. MAT 331 \_\_\_\_\_ or CSE 101 \_\_\_\_\_ or CSE 114 \_\_\_\_\_  
(Computer Assisted Mathematical Problem Solving) (Introduction to Computers) (Computer Science I)
- ESG 111 \_\_\_\_\_ or PHY 277 \_\_\_\_\_  
(Programming for Engineers) (Computations for Physics and Astronomy)
7. MAT 310 \_\_\_\_\_ or MAT 315 \_\_\_\_\_  
(Linear Algebra) (Advanced Linear Algebra)
8. MAT 312/AMS 351 \_\_\_\_\_ or MAT 313 \_\_\_\_\_  
(Applied Algebra) (Abstract Algebra)
9. MAT 319 \_\_\_\_\_ or MAT 320 \_\_\_\_\_  
(Foundations of Analysis) (Introduction to Analysis)
10. MAT 342 \_\_\_\_\_  
(Applied Complex Analysis)
11. MAT 322 \_\_\_\_\_ or MAT 324 \_\_\_\_\_ or MAT 341 \_\_\_\_\_  
(Analysis in Several Dimensions) (Real Analysis) (Applied Real Analysis)
12. Three MAT courses numbered 310 or above, beyond those taken to satisfy 4, 7, 8, 9, 10, 11 (MAT 331 can be used) **OR** four acceptable math related courses. **Please refer to acceptable courses listed on the math website [www.math.stonybrook.edu](http://www.math.stonybrook.edu)**

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### 13. Fulfillment of all Stony Brook Curriculum Requirements \_\_\_\_\_

These may be fulfilled by any appropriately certified course in any department. In particular, MAT 336 fulfills WRD, SPK, and STAS. MAT 331 satisfies TECH and may be used to fulfill WRD when taken in conjunction with MAT 459.

**Have all the above courses been taken for a letter grade and completed with a grade C or higher \_\_\_\_\_**