

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 and Analysis II) (Applied Calculus I/II)
2. MAT 203 _____ or AMS 261 _____ or MAT 307 _____
(Calculus III w/Applications) (Applied Calculus III) (Multivariable Calculus w/Linear Algebra)
3. MAT 211 _____ or AMS 210 _____ Waived if completed MAT 307 and MAT 308 _____
(Intro to Linear Algebra) (Applied Linear Algebra) (Multivariable Calculus w/Linear Algebra and Differential Equations w/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 200 Challenge Exam _____
(Language Logic and Proof) For a list of topics and practice problems go to 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) (Computation for Physics and Astronomy)
7. MAT 310 _____
(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. Two of the following:
MAT 322 _____ or MAT 324 _____ or MAT 341 _____ or MAT 342 _____
(Analysis in Several Dimensions) (Real Analysis) (Applied Real Analysis) (Applied Complex Analysis)
11. Three MAT courses numbered 310 or above, beyond those taken to satisfy 4, 5, 7, 8, 9, 10 (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*

12. **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 _____