Checklist for Major Requirements

ADVANCED TRACK PROGRAM

1. MAT 131/132 or level 9 on math placement exam or AP calculus BC credit 4 or 5 score (Calculus 1/11)

2. MAT 220 or MAT 211 or 307 (Linear Algebra and Geometry) (Introduction to Linear Algebra) (Multivariable Calculus w/Linear Algebra)

3. MAT 250 or MAT 200 (Introduction to Advanced Mathematics) (Logic, Language and Proof)

4. MAT 315 (Advanced Linear Algebra)

5. MAT 320 and MAT 322 (Introduction to Analysis) (Analysis in Several Dimensions)

6. MAT 313 and MAT 314 (Abstract Algebra) (Abstract Algebra II)

7. MAT 342 (Applied Complex Analysis)

8. MAT 308 or MAT 303 (Differential Equations with Linear Algebra) (Calculus IV with Applications)

9. MAT 331 or CSE 101 or CSE 114 (Computer-Assisted Mathematical Problem Solving) (Intro to computers) (Computer Science I)

ESG 111 or PHY 277 (Programming for Engineers) (Computation for Physics and Astronomy)

10. Four mathematics-related courses beyond those taken to satisfy requirements 1-7, three courses if all are MAT.

11. Writing requirements: Students following the Stony Brook Curriculum will fulfill the upper division writing requirement by completing the objectives for Writing with the Discipline (WRTD) and successful completion of MAT 319 or MAT 320 with a grade C or better.

Note: MAT 331 may be used both here and in requirement 9

5/29/18