

Name _____ Stony Brook ID _____

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.

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

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.