Check List for BA in Mathematics - teachHOUSTON

**EXAMPLES OF 4000-LEVEL MATH ELECTIVES**

(Chart Catalog for Pre-Requisites)
- S MATH 4315 Graph Theory with Applications
- F MATH 4320 Introduction to Stochastic Processes
- F/S MATH 4321/4332 Introduction to Real Analysis
- ** MATH 4323 Advanced Abstract Algebra
- ** MATH 4325/4336 Partial Differential Equations
- ** MATH 4350/4351 Differential Geometry
- S MATH 4355 Mathematics of Signal Representation
- F/S MATH 4364/4365 Numerical Analysis
- F/S MATH 4377 Advanced Linear Algebra I
- S/S MATH 4378 Advanced Linear Algebra II
- S MATH 4380 Mathematical Introduction to Options
- S MATH 4383 Number Theory
- F MATH 4388 History of Mathematics
- ** MATH 4390 Applied Mathematics Seminar

*Beginning Fall 2013, MATH 3325 is a required pre-requisite for MATH 3330 and MATH 3333.

**Advertising MATH 3325 Transition to Advanced Mathematics

MATH 3325 Functions and Modeling (*WID) Fall
MATH 3330 Abstract Algebra Fall, Spring
MATH 3331 Differential Equations Fall, Spring, Summer
MATH 3333 Intermediate Analysis Fall, Spring, Summer
MATH 3334 Advanced Multivariable Calculus Fall, Spring, Summer
OR MATH 3335 Vector Analysis Fall, Spring
OR MATH 3364 Introduction to Complex Analysis Fall
MATH 3379 Intro to Higher Geometry (*WID) Spring
MATH 4389 Survey of Undergraduate Mathematics Fall, Spring, Summer

MATH 43__ 3 hours 4000-level MATH elective

FREE ELECTIVES

(Additional hours to complete a total of 120 hours,
including at least 36 advanced hours)

*May require up to 9 hours of free electives (depending on Foreign Language pre-requisites)*

RULES YOU NEED TO KNOW:

1. MINIMUM of a 2.00 GPA in cumulative, major, and minor GPA to graduate
2. C- RULE: MINIMUM of 6 hours of grades below C- allowed in UH MATH courses
3. LAST 30 hours must be exclusively completed at UH
4. MAXIMUM of 6 W's allowed during entire undergraduate career
5. MINIMUM of 36 advanced hours and 120 total hours to graduate
6. MAXIMUM of 36 lower level transfer hours may be applied towards UH degree
7. At 60 hours, request a Major Degree Plan *REQUIRED TO GRADUATE*

Advisor: ______________________________________________________