Check List for BA in Mathematics - teachHOUSTON

**EXAMPLES OF 4000-LEVEL MATH ELECTIVES**

- Check Catalog for Pre-Requisites
  - MATH 4309 Mathematical Biology
  - MATH 4310 Biostatistics
  - MATH 4315 Graph Theory with Applications
  - MATH 4320 Introduction to Stochastic Processes
  - MATH 4322 Introduction to Data Science and Machine Learning
  - MATH 4323 Data Science and Statistical Learning
  - MATH 4331/4332 Introduction to Real Analysis
  - MATH 4335/4336 Partial Differential Equations
  - MATH 4339 Multivariate Statistics
  - MATH 4340 Differential Geometry
  - MATH 4355 Mathematics of Signal Representation
  - MATH 4364/4365 Numerical Analysis
  - MATH 4389 Survey of Undergraduate Mathematics
  - MATH 4390 Applied Mathematics Seminar

***Indicates the course is not offered at consistent intervals***

**RULES YOU NEED TO KNOW:**

1. Minimum of a 2.00 GPA in cumulative, major, and minor GPA to graduate
2. Pre-req Rule: Must earn a C- or better in pre-requisite for MATH courses
3. C- Rule: Maximum of 6 hours of grades below C- allowed in UH MATH courses
4. Last 30 hours must be exclusively completed at UH
5. Maximum of 6 Ws allowed during entire undergraduate career
6. Minimum of 36 advanced hours and 120 total hours to graduate
7. Maximum of 66 lower level transfer hours may be applied towards UH degree

**FREE ELECTIVES**

- Additional hours to complete a total of 120 hours and 36 advanced hours as needed