Check List for BS in Mathematics - Finance Math Option

Effective Fall 2016

**EXAMPLES OF 4000-LEVEL MATH ELECTIVES**

(Check Catalog for Pre-Requisites)

- S MATH 4315 Graph Theory with Applications
- F MATH 4322 Introduction to Data Science and Machine Learning
- ** MATH 4333 Advanced Abstract Algebra
- F MATH 4335 Partial Differential Equations
- F MATH 4350 Differential Geometry
- S MATH 4356 Mathematics of Signal Representation
- F MATH 4364 Numerical Analysis
- F MATH 4366 Numerical Linear Algebra
- F/Su MATH 4377 Advanced Linear Algebra I
- S MATH 4383 Number Theory
- F MATH 4388 History of Mathematics

- F - Fall Semester, S - Spring Semester, Su - Summer Semester

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

Students are strongly encouraged to fulfill the NSM Capstone by completion of a minor in Finance, Accounting, or Economics. The requirements for each minor are available in the Undergraduate Catalog (see College of Business [FINA/ACCT] or College of Liberal Arts and Social Sciences [ECON] sections).

**NSM CAPSTONE** (Minimum 6 Advanced Hours):

- Must choose from one of the following:
  - Minor
  - Double Major
  - Double Degree
  - Senior Research Project
  - Senior Honors Thesis
  - teachHouston

**FREE ELECTIVES**

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

*May require up to 13 hours of free electives, which includes ECON 2304 and 2305 as 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:** **MAXIMUM 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 66 lower level transfer hours may be applied towards UH degree**

Advisor: ____________________________