

Name:

Date:

General Catalog: 20__ - 20__

PeopleSoft ID:

Major Catalog: 20__ - 20__

Check List for BS in Mathematics - Finance Math Option

Tr	UH	MATHEMATICS (46 Hours; MUST have 30 advanced hours):
		MATH 2413 (1431) Calculus I Fall, Spring, Sum
		MATH 2414 (1432) Calculus II Fall, Spring, Sum
		MATH 2415 (2433) Calculus III Fall, Spring, Sum
		MATH 2131 Linear Algebra Lab Fall, Spring, Sum
		MATH 2318 (2331) Linear Algebra Fall, Spring, Sum
		MATH 3325 Transition to Advanced Mathematics Fall, Spring, Sum
		MATH 3331 Differential Equations Fall, Spring, Sum
		MATH 3333 Intermediate Analysis Fall, Spring, Sum
		MATH 3338 Probability Fall, Spring, Sum
		MATH 3339 Statistics for the Sciences Fall, Spring, Sum
		MATH 3340 Introduction to Fixed Income Math Fall
		MATH 4389 Survey of Undergraduate Mathematics Fall, Spring, Sum
		MATH 43 3 hours 4000-level MATH elective

*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 4355	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**

MATH SENIOR SEQUENCE (6 Hours):		
		MATH 4320 Introduction to Stochastic Processes Fall
		MATH 4380 Mathematical Introduction to Options Spring

ADDITIONAL REQUIREMENTS:		
		ACCT 2301 Principles of Financial Accounting
		ACCT 2302 Principles of Managerial Accounting

		ECON 2301 (2305) Principles of Macroeconomics
		ECON 2302 (2304) Principles of Microeconomics
		ECON 3332 Intermediate Microeconomics
		ECON 3334 Intermediate Macroeconomics

NSM Natural Sciences (14 Hours):		
		1 hr Natural Sciences Lab***
		1 hr Natural Sciences Lab***
		3 hours NSM Approved Natural Science***
		3 hours NSM Approved Natural Science***
		3 hours NSM Approved Natural Science
		3 hours NSM Approved Natural Science

***Indicates ALL courses must be in the same subject and approved for NSM majors

CORE (Check UH Catalog or UH Core Website for Pre-Requisites)

Tr	UH	COMMUNICATION (6 Hours):
		ENGL 1301 (1303) First Year Writing I
		ENGL 1302 (1304) First Year Writing II

STATE REQUIREMENTS (12 Hours):		
		American History (3 Hours)
		American History (3 Hours)
		GOVT 2305 (POLS 1337) U.S. Government: Congress, President, and Court
		GOVT 2306 (POLS 1336) U.S. and Texas Constitutions and Politics

FROM APPROVED CORE LIST (12 Hours): <small>Choose from UH Core Website</small>		
		Creative Arts (3 Hours)
		Language, Philosophy & Culture (3 Hours)
		Social & Behavioral Sciences (3 Hours)
		Writing in the Disciplines (3 Hours)*

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

Tr	UH	

FREE ELECTIVES

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

Tr	UH	

May require up to 13 hours of free electives, which includes ECON 2301 and 2302 as pre-requisites

RULES YOU NEED TO KNOW:

Numbers in parentheses indicate UH course numbers prior to Fall 2021.

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: _____