

## Mathematics-Finance Math Option - Bachelor of Science

### College of Natural Sciences & Mathematics

#### I. Core Requirements (38 hours)\*

| Course Name                                                                                                  | Hours | TCCNS     | UH        |
|--------------------------------------------------------------------------------------------------------------|-------|-----------|-----------|
| <b>Communication (6 hours)</b>                                                                               |       |           |           |
| English Composition I                                                                                        | 3     | ENGL 1301 | ENGL 1301 |
| English Composition II                                                                                       | 3     | ENGL 1302 | ENGL 1302 |
| <b>Mathematics (8 hours)</b>                                                                                 |       |           |           |
| Calculus I                                                                                                   | 4     | MATH 2413 | MATH 2413 |
| Calculus II                                                                                                  | 4     | MATH 2414 | MATH 2414 |
| <b>Life &amp; Physical Sciences</b>                                                                          |       |           |           |
| Will be satisfied by choosing six (6) credit hours of the below lecture hours from Eligible Science Courses. |       |           |           |
| <b>Creative Arts (3 hours)</b>                                                                               |       |           |           |
| Choose <b>one</b> course from your current college's core approved list.                                     |       |           |           |
| <b>Language, Philosophy, &amp; Culture (3 hours)</b>                                                         |       |           |           |
| Choose <b>one</b> course from your current college's core approved list.                                     |       |           |           |
| <b>Social &amp; Behavioral Sciences (3 hours)</b>                                                            |       |           |           |
| Choose <b>one</b> course from your current college's core approved list.                                     |       |           |           |
| <b>American History (6 Hours)</b>                                                                            |       |           |           |
| Choose <b>two</b> courses from your current college's core-approved list.                                    |       |           |           |
| <b>Government/Political Sciences (6 hours)</b>                                                               |       |           |           |
| Federal Government                                                                                           | 3     | GOVT 2305 | GOVT 2305 |
| Texas Government                                                                                             | 3     | GOVT 2306 | GOVT 2306 |
| <b>Writing in the Disciplines (3 hours)</b>                                                                  |       |           |           |
| Choose <b>one</b> course from your current college's core approved <b>Component Area Option</b> list.        |       |           |           |

#### II. Major Requirements (13 hours)\*

| Course Name                         | Hours | TCCNS     | UH        |
|-------------------------------------|-------|-----------|-----------|
| Principles of Financial Accounting  | 3     | ACCT 2301 | ACCT 2301 |
| Principles of Managerial Accounting | 3     | ACCT 2302 | ACCT 2302 |
| Linear Algebra                      | 3     | MATH 2318 | MATH 2318 |
| Calculus III                        | 4     | MATH 2415 | MATH 2415 |

#### III. College of NSM Natural Sciences Requirement (Choose up to 14 hours)^

| Course Name                          | Hours | TCCNS                                      | UH                          |
|--------------------------------------|-------|--------------------------------------------|-----------------------------|
| Biology for Science Majors I         | 3-4   | BIOL 1306/1106 <b>or</b> 1406              | BIOL 1306/1106              |
| Biology for Science Majors II        | 3-4   | BIOL 1307/1107 <b>or</b> 1407              | BIOL 1307/1107              |
| Anatomy & Physiology I               | 3     | BIOL 2301 <b>or</b> 2401                   | BIOL 2301                   |
| Anatomy & Physiology II              | 3     | BIOL 2302 <b>or</b> 2402                   | BIOL 2302                   |
| Microbiology for Science Majors      | 3-4   | BIOL 2321/2121 <b>or</b> 2421              | BIOL 2321/2121              |
| General Chemistry I                  | 3-4   | CHEM 1311/1111 <b>or</b> 1411              | CHEM 1311/1111              |
| General Chemistry II                 | 3-4   | CHEM 1312/1112 <b>or</b> 1412              | CHEM 1312/1112              |
| Physical Geology                     | 3-4   | GEOL 1303/1103 <b>or</b> 1403              | GEOL 1303/1103              |
| Historical Geology                   | 3-4   | GEOL 1304/1104 <b>or</b> 1404              | GEOL 1304/1104              |
| Oceanography                         | 3-4   | GEOL 1345 <b>or</b> 1445                   | GEOL 1345                   |
| Meteorology                          | 3-4   | GEOL 1347/1147 <b>or</b> 1447              | GEOL 1347/1147              |
| College Physics I                    | 3-4   | PHYS 1301/1101 <b>or</b> 1401              | PHYS 1301/1101              |
| <b>OR</b><br>University Physics I**  |       | <b>OR</b><br>PHYS 2325/2125 <b>or</b> 2425 | <b>OR</b><br>PHYS 2325/2125 |
| College Physics II                   | 3-4   | PHYS 1302/1102 <b>or</b> 1402              | PHYS 1302/1102              |
| <b>OR</b><br>University Physics II** |       | <b>OR</b><br>PHYS 2326/2126 <b>or</b> 2426 | <b>OR</b><br>PHYS 2326/2126 |

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^The degree requirement is fourteen (14) hours of approved Life & Physical Sciences, including 2 labs. These courses must be from outside the student's major, and only include those courses approved for NSM majors.

**\*\*Credits may not be applied toward a degree for both College and University Physics.**

**\*Transfer Credit Limit**

A maximum of 66 hours (grades C- or better) of 1000/2000 level transfer hours may be applied toward a UH degree. These are the 66 hours that best meet the degree requirements for your UH degree combination (Major, Double Major, Double Degree, and Minor).

- Students who currently attend UH should refer to their departmental advisor **BEFORE** taking courses at another college.
- Courses listed above are **suggested** courses for this degree. Other courses in combination may apply to a degree.
- See department or course catalog for further information on your degree plan.

**Texas Undergraduate In-State Tuition Enrollment Cap**

Under current rules, Texas resident undergraduate students who enrolled for the first time in a Texas public institution of higher education in fall 1999 or later may be charged a premium tuition rate after they reach an established enrollment cap. For details, see [Texas Enrollment Cap | Office of the Provost | University of Houston](#)