

Mathematics-Data Science Option - Bachelor of Science College of Natural Sciences & Mathematics

I. CORE REQUIREMENTS (41 hours)

Course Name	Hours	TCCNS	UH
Communication (6 hours)			
English Composition I	3	ENGL 1301	ENGL 1301
English Composition II	3	ENGL 1302	ENGL 1302
Mathematics (8 hours)			
Calculus I	4	MATH 2413	MATH 2413
Calculus II	4	MATH 2414	MATH 2414
Life & Physical Sciences (6 hours)			
Will be satisfied by choosing six (6) credit hours of the below lecture hours from Eligible Science Courses.			
Creative Arts (3 hours)			
Choose one course from your current college's core approved list.			
Language, Philosophy, & Culture (3 hours)			
Choose one course from your current college's core approved list.			
Social & Behavioral Sciences (3 hours)			
Choose one course from your current college's core approved list.			
American History (6 Hours)			
United States History I	3	HIST 1301	HIST 1377
United States History II	3	HIST 1302	HIST 1378
Government/Political Sciences (6 hours)			
Federal Government	3	GOVT 2305	GOVT 2305
Texas Government	3	GOVT 2306	GOVT 2306
Writing in the Disciplines			
Must be taken at University of Houston if student is not core-complete at the time of transfer.			

II. MAJOR REQUIREMENTS (10 hours)

Course Name	Hours	TCCNS	UH
Programming Fundamentals I	3	COSC 1336 or 1436	COSC 1336
Linear Algebra	3	MATH 2318	MATH 2318
Calculus 3	4	MATH 2415	MATH 2415

III. Eligible Science Courses (Choose up to 14 hours)[^]

Course Name	Hours	TCCNS	UH
Biology for Science Majors I	3-4	BIOL 1306 or 1406	BIOL 1306/1106
Biology for Science Majors II	3-4	BIOL 1307 or 1407	BIOL 1307/1107
General Chemistry I	3-4	CHEM 1311 or 1411	CHEM 1331/1111
General Chemistry II	3-4	CHEM 1312 or 1412	CHEM 1332/1112
Physical Geology	3-4	GEOL 1303 or 1403	GEOL 1303/1103
Historical Geology	3-4	GEOL 1304 or 1404	GEOL 1304/1104
College Physics I OR University Physics I	3-4	PHYS 1301 or 1401 OR PHYS 2325 or 2425	PHYS 1301/1101 OR PHYS 2325/2125
College Physics II OR University Physics II	3-4	PHYS 1302 or 1402 OR PHYS 2326 or 2426	PHYS 1302/1102 OR PHYS 2326/2126

[^]The degree requirement is fourteen (14) hours of approved Life & Physical Sciences, including 8 hours of lecture/labs in the same discipline.

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

http://www.uh.edu/provost/stu/stu_enrollcapqs.html