

4 – Year Suggested Academic Plan for Transfer, Effective 2025-2026 Catalog Year							
First Year Freshman							
Fall Semester				Spring Semester			
HCC	UHD	Course Name	Hrs	HCC	UHD	Course Name	Hrs
EDUC 1300 (1)	UHD 13XX	(Core 090)	3	CHEM 1412	CHEM 1308/1108	General Chemistry II Lecture/Lab (Core 030)	4
ENGL 1301	ENGL 1301	Composition I (Core 010)	3	HIST 1302	HIST 1306	United States History after 1877 (Core 060)	3
CHEM 1311/1111	CHEM 1307/1107	General Chemistry I Lecture/Lab (Core 030)	4	MATH 2413 (2)	MATH 2401	Calculus I (Core 020)	4
HIST 1301	HIST 1305	United States History to 1877 (Core 060)	3	ENGL 1302 or ENGL 2311	ENG 1302	Composition II (Core 010)	3
Language, Philosophy & Culture	Core (040)	Language, Philosophy & Culture Lab (Core 040)	3	Social & Behavioral Sciences	Core (080)	Social & Behavioral Sciences (Core 080)	3
Total			16	Total			17
Second Year Sophomore							
Fall Semester				Spring Semester			
HCC	UHD	Course Name	Hrs	HCC	UHD	Course Name	Hrs
GOVT 2305	POLS 2305	Federal Government (Core 070)	3	GOVT 2306	POLS 2306	Texas Government (Core 070)	3
PHYS 2325/2125	PHYS 2401/2101	University Physics I Lecture/Lab	4	PHYS 2326/2126	PHYS 2402/2102	University Physics II Lecture/Lab	4
MATH 2414	MATH 2402	Calculus II	4	Creative Arts	Core (050)	Creative Arts (Core 050)	3
GEOL 1403	GEOL 1305/1105	Physical Geology Lecture/Lab	4	GEOL 1404	GEOL 1306/1106	Historical Geology	4
Total			15	Total			14
Third Year Junior							
Fall Semester				Spring Semester			
HCC	UHD	Course Name	Hrs	HCC	UHD	Course Name	Hrs
	CS 1411	Introduction to Computer with Python	4		CS 2311	Python Data Structures	3
	DATA 2401	Data Science I	3		DATA 3401	Data Science II	4
	MATH 2305	Discrete Mathematics Structures	3		MATH 3323	Numerical Linear Algebra and Optimization	3
	MATH 2422	Linear Algebra: Multivariable Calculus w/ Applications	3		STAT 3333	Statistical Inference	3
	MATH 3302	Probability & Statistics	3		Core (090)	Oral Communications (Core 090)	3
Total			15	Total			16
Fourth Year Senior							
Fall Semester				Spring Semester			
HCC	UHD	Course Name	Hrs	HCC	UHD	Course Name	Hrs
	DATA 3402	Data Collection, Transformation & Curation	4		UL course	Additional UL Course: see catalog	3
	GEOL UL	Domain Focus Elective	3		Data 4300	Ethics for Data Science	3
	STAT 4303 or STAT 4311	Decision Mathematics or Operations Research	3		STAT 4310	Applied Regression	3
	Data 4419	Statistical & Machine Learning	4		GEOL UL	Domain Focus Elective	3
					DATA 4320	Advanced Machine Learning	3
Total			14	Total			15

Notes/Comments (AS in Geology to BS in Data Science at UHD):

- (1) EDUC 1300 is required for First Time in College (FTIC) students only. If not FTIC, take PHED 1164.
- (2) Students may be placed in MATH 2413 through placement testing OR by completing all MATH prerequisites (MATH 1314, 1316, and 2412). Student should consult with advisor regarding placement testing.
- (3) Students who graduate with a BS in DS will earn two minors (Statistics and Mathematics).
- (4) Students who transfer an AS in Geology to BS in DS may have more than 120 hours. Students should consult with an advisor.

Transfer Information

Program Specific Information:

Bachelor of Science – Data Science

Program Specific Requirements:

- The BS in Data Science at UHD is a 120 credit hour degree program
- All degree candidates must have a 2.0 GPA average and a grade of “C” or better in all upper level course work.

Program Admissions Requirements:

- Transfer Admission Criteria (15 or more earned college-level credit hours) 2.0 GPA
- Student must be in Good Academic Standing at last institution attended
- UHD will calculate the higher grade received on duplicate courses for GPA requirements

Transfer of Credit & Student Benefits:

- Credits from HCC that are transferrable to UHD degree programs may be specified in any program-to-program articulation agreement.
- Reverse transfer
- HCC students will be allowed access to academic advising services at UHD
- HCC Honors students admitted to UHD will receive:
 - Acceptance to UHD Honors Program with a minimum GPA (GPA varies by the College in which the program resides)
 - UHD will accept a minimum of 12 hours of transfer Honors credit; eligible for merit and need-based aid commensurate with qualifications

Field Of Study:

Designated Core Courses:

ECON 2301 MATH 1324

Discipline Foundation Courses:

ECON 2302 ACCT 2301 ACCT 2302 BUSI 1301

FOS courses are guaranteed to transfer and apply to degree programs at all Texas public institutions of higher education, including community colleges, state and technical colleges, universities, and health-related institutions. This means the courses will transfer and apply from a two-year to a four-year institution, from a two-year to a two-year institution, from a four-year to a two-year institution, and from a four-year to a four-year institution.

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