

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	ENGL 1302	ENG 1302	Composition II (Core 010)	3
BIOL 1306/1106	BIOL 1301/1101	Biology I for Science Majors	4	CHEM 1412	CHEM 1308/1108	General Chemistry II Lecture/Lab (Core 030)	4
CHEM 1311/1111	CHEM 1307/1107	General Chemistry I Lecture/Lab (Core 030)	4	MATH 2413	MATH 2401	Calculus I	4
ENGL 1301	ENG 1301	Composition & Rhetoric I (Core 010)	3	BIOL 1407	BIOL 1302/1102	Biology for Science Majors II	4
MATH 2412 (2)	MATH 1404	Pre-calculus (Core 020)	4				
Total			18	Total			15
Second Year Sophomore							
Fall Semester				Spring Semester			
HCC	UHD	Course Name	Hrs	HCC	UHD	Course Name	Hrs
CHEM 2423	CHEM 2301/2101	Organic Chemistry I	4	BIOL 2421 (3)	MBIO 2305/2105	Microbiology for Science Majors	4
PHYS 1401	PHYS 1307/1107	College Physics I	4	CHEM 2425	CHEM 2302/2102	Organic Chemistry II	4
GOVT 2305	POLS 2305	Federal Government (Core 070)	3	PHYS 1402	PHYS 1308/1108	College Physics II	4
HIST 1301	HIST 1305	United States History to 1877 (Core 060)	3	HIST 1302	HIST 1306	United States History after 1877 (Core 060)	3
Total			14	Total			15
Third Year Junior							
Fall Semester				Spring Semester			
HCC	UHD	Course Name	Hrs	HCC	UHD	Course Name	Hrs
	CHEM 3330/3130	Physical Chemistry I w/ Lab	4		CHEM 3332/3132	Physical Chemistry II w/ Lab	4
	MATH 2402	Calculus II	4		CHEM 4340/4140	Biochemistry I w. Lab	4
	CHEM 3300	Undergraduate Research – approval by NS dept., min. GPA of 2.0, and permission of the instructor is required.	3		Core (040)	Language, Philosophy & Culture Lab (Core 040)	3
					STAT/CS	Options: STAT 3311, CS 1408, CS 1411	3-4
	POLS 2306	Texas Government (Core 070)	3		MATH 2403	Calculus III	4
	Core (080)	Social & Behavioral Sciences (Core 080)	3				
Total			17	Total			18 19
Fourth Year Senior							
Fall Semester				Spring Semester			
HCC	UHD	Course Name	Hrs	HCC	UHD	Course Name	Hrs
	CHEM 4362/4162	Advanced Inorganic Chem. w/ Lab	4		CHEM 4410	Instrumental Methods of Analysis	4
	CHEM 3310/3110	Quantitative Analysis w/ Lab	4		CHEM 4364/4164	Polymer Chemistry	4
	Core (050)	Creative Arts (Core 050)	3		CHEM 3320	Environmental Chemistry	3
	TCOM (writing)	TCOM 3302, 3325, 3326, 3329, or 4306	3		Core (090)	Oral Communications (Core 090)	3
Total			14	Total			14

Notes/Comments:

- EDUC 1300 is required for First Time in College (FTIC) students only. If not FTIC, students should consider prereq's for Calculus I (see note 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.
- Microbiology is required for AS in in Biology but not required for BS in Chemistry.



**HCC Associate of Science in Biology (Biology Majors) to University of
Houston-Downtown
Bachelor of Science in Chemistry**



Transfer Information

Program Specific Information:
Bachelor of Science – Chemistry

Program Specific Requirements:

- The BS in Chemistry 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 science coursework.

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 transferable 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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