



Galveston College Associate of Science – Biology to University of
Houston Downtown Bachelor of Science in Chemistry



4 – Year Suggested Academic Plan for Transfer

*Based on UHD Catalog year of 2021-2022 **Note:** There may be some minor changes in courses due to recently approved course updates.

First Year - Freshman							
Fall Semester				Spring Semester			
GC	UHD	Course Name	Hrs	GC	UHD	Course Name	Hrs
*ENGL 1301	ENG 1301	Composition I	3	*ENGL 1302	ENG 1302	Composition II	3
MATH 2413	MATH 2401	Calculus I	4	MATH 2414	MATH 2402	Calculus II	4
BIOL 1406	BIOL 1301/1101	General Biology I	4	BIOL 1407	BIOL 1302/1102	General Biology II	4
CHEM 1411	CHEM 1307/1107	General Chemistry I	4	CHEM 1412	CHEM 1308/1108	General Chemistry II	4
Total			15	Total			15
Second Year - Sophomore							
Fall Semester				Spring Semester			
GC	UHD	Course Name	Hrs	GC	UHD	Course Name	Hrs
*HIST 1301	(Core 060)	US History I	3	*HIST 1302	(Core 060)	US History II	3
Elective ⁴	Elective	Choose from options below	3	Language, Philosophy & Culture Elective ³	(Core 040)	Choose from options below	3
GOVT 2305	POLS 2305	Federal Government	3	*GOVT 2306	POLS 2306	Texas Government	3
CHEM 2423	CHEM 2301/2101	Organic Chemistry I	4	PHYS 1401	PHYS 1307/1107	College Physics I	4
Creative Arts Elective ²	Creative Arts	Choose from options below	3	*Social & Behavioral Sci. ¹	(Core 080)	Choose from options below	3
Total			16	Total			16
Summer-UHD							
	PHYS 1308/1108	General Physics II w/Lab	3				
Total			3				
Third Year - Junior							
Fall Semester				Spring Semester			
GC	UHD	Course Name	Hrs	GC	UHD	Course Name	Hrs
	CHEM 3330/3130	Physical Chemistry I w/ Lab	4		CHEM 3332/3132	Physical Chemistry II w/ Lab	4
	MATH 2403	Calculus III	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 instructor required.	3		CHEM 2302/2102	Organic Chemistry II w/Lab	4
	UHD 2XXX (core90)	Transfer Seminar	3		CS/STAT	Choose one from the following options: CS 1408, CS 1410 or STAT 3311	3-4
Total			14	Total			15
Fourth Year - Senior							
Fall Semester				Spring Semester			
GC	UHD	Course Name	Hrs	GC	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
	TCOM (writing)	TCOM 3302, 3325, 3326, 3329, or 4306	3		CHEM 3320	Environmental Chemistry	3
	Elective	Free elective (if needed)	1		COMM elective	Choose from UHD core curriculum	3
Total			12	Total			14

Notes/Comments:

- (1) **Social and Behavioral Sciences options are:** CRIJ 1301, CRIJ 1307, ECON 2301, ECON 2302, KINE 1304, KINE 1346, PSYC 2301, SOCI 1301, or SOCI 1306.
- (2) **Creative Arts Elective options are:** ARTS 1301, ARTS 1303, COMM 2366, DRAM 1310, DRAM 2366, HUMA 1301, MUSI 1306, MUSI 1310.
- (3) **Language, Philosophy, & Culture options are:** ARTS 1304, DRAM 2361, DRAM 2362, ENGL 2322, ENGL 2323, ENGL 2327, ENGL 2328, ENGL 2332, ENGL

2333, HIST 2311, HIST 2312, HUMA 1302, PHIL 1301, PHIL 2306, or PHIL 2307.

(4) **Elective options are:** Select any academic elective as most technical or workforce courses will not satisfy elective hour requirements.

***Dual Credit Course Options**

A grade of a "C" or better is required for the courses at GC. Student must also meet GPA transfer admission requirement.

Articulation Agreement Information – Standard and Program to Program (P2P)

Transfer of Credit & Student Benefits

- Credits from GC that are transferrable to UHD degree programs may be specified in any program-to-program articulation agreement.
- Reverse transfer
- GC students will be allowed access to academic advising services at UHD
- GC 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

Optional Partnership

- [Joint Admission](#) provides students the opportunity to maximize utilization of facilities and programs offered jointly by GC and UHD:
 - Student ID at GC and UHD
 - Student computer/internet account, access to computer labs and access to libraries at GC and UHD
 - Student access to sporting events at UHD
 - Free electronic transfer transcript transmission/evaluation
 - Application fees will be waived for GC students who apply to UHD within 6 months of earning an Associate's degree.
- Cooperative Advising allows students to access embedded advisors at both institutions for students who are:
 - Admitted (either through regular or joint admissions) at UHD
 - All GC students with an expressed interest in transferring to UHD
 - Advising for all degree programs at UHD
- Employee discount provides GC employees an opportunity to apply discounts or waive fees at UHD:
 - Application fee will be waived for UHD employees
 - Recognize the eligibility of GC employees to apply for scholarship programs.

Standard Agreement & P2P Agreement

(Associate of Science in Biology to Bachelor of Science in Chemistry)

Program Admission 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.
- For a course taken more than once, the highest grade will be transferred.

Program Specific Requirements

- The Bachelor of Science in Biology requires a grade of "C" or higher in all upper level (3000-4000) science courses to be applied to the degree.
- This academic plan represents the BS in Biology. There are also 3 concentrations within the Biology degree which are listed below. Please see the current UHD catalog for the course requirements for each concentration.
 - B.S in Biology with Concentration in Environmental Biosciences
 - B.S in Biology with Concentration in Microbiology
 - B.S in Biology with Concentration in Molecular and Cellular Biosciences