



**Galveston College Associate of Science – Computer Science to  
University of Houston Downtown Bachelor of Science in  
Computer Science**



### 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
*HIST 1301	HIST 1305	US History I	3	*HIST 1302	HIST 1306	US History II	3
MATH 2413	MATH 2401	Calculus I	4	MATH 2414	MATH 2402	Calculus II	4
COSC 1336	CS 1311 (CS Elect Lower Level)	Programming Fundamentals I	3	COSC 1337	CS 2410	Programming Fundamentals II	3
EDUC 1300	UHD 1301	Learning Frameworks 1 <sup>st</sup> Year Exp.	3	Creative Arts Elective <sup>2</sup>			3
<b>Total</b>			<b>16</b>	<b>Total</b>			<b>16</b>
Second Year - Sophomore							
Fall Semester				Spring Semester			
GC	UHD	Course Name	Hrs	GC	UHD	Course Name	Hrs
*GOVT 2305	POLS 2305	Federal Government	3	*GOVT 2306	POLS 2306	Texas Government	3
COSC 2325	CS 2301	Computer Organization	3	PHYS 2426	PHYS 2402/2102	University Physics II	4
PHYS 2425	PHYS 2401/2101	University Physics I	4	Language, Philosophy & Culture Elective <sup>3</sup>			3
COSC 2336	CS 3304	Programming Fundamentals III	3	*Social & Behavioral Sci. <sup>1</sup>			3
				MATH 2318	MATH 2307	Linear Algebra	3
<b>Total</b>			<b>13</b>	<b>Total</b>			<b>16</b>
Galveston College Summer Session							
GC	UHD	Course Name	Hrs	GC	UHD	Course Name	Hrs
MATH 2305	MATH 2305	Discrete Mathematics	3	SPCH 1311	COMM 1304	Introduction to Communication (Public	3
<b>Total</b>			<b>3</b>	<b>Total</b>			<b>3</b>
Third Year - Junior							
Fall Semester				Spring Semester			
GC	UHD	Course Name	Hrs	GC	UHD	Course Name	Hrs
	CS 2302	Digital Logic	3		CS 4315	Operating Systems	3
	CS 1410	CSI: Intro to Computer Science with C++	4		CS Elective	3000/4000 Level – See catalog/advisor	3
	CS 3306	Introduction to Theory of Computation	3		CS Elective	3000/4000 Level – See catalog/advisor	3
	CS 3321	Software Engineering	3		TCOM 3302	Business & Technical Report Writing	3
	MATH 3302 or STAT 3311	Probability & Statistics or Statistical Analysis for Natural Science	3				
<b>Total</b>			<b>16</b>	<b>Total</b>			<b>12</b>
Fourth Year - Senior							
Fall Semester				Spring Semester			
GC	UHD	Course Name	Hrs	GC	UHD	Course Name	Hrs
	CS Elective	3000/4000 Level – See catalog/advisor	3		CS 4395	Senior Project in Computer Science	3
	CS 4294	Senior Seminar	2		CS 4318	Database Systems	3
	CS 4303	Programming Language Concepts	3		CS Elective	3000/4000 Level – See catalog/advisor	3
	Free Electives	(if needed to complete 120 hours total for the degree)	2		Free Electives (4)	(if needed to complete 120 hours total for the degree)	3
	CS Elective	3000/4000 Level – See catalog/advisor	3				
<b>Total</b>			<b>13</b>	<b>Total</b>			<b>12</b>

**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

### **Standard Agreement & P2P Agreement**

(Associate of Science in Computer Science to Bachelor of Science in Computer Science)

### UHD 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

- Students majoring in Computer Science at UHD must have a grade of C or better in any course in computer science, mathematics, or statistics that is applied towards the degree
- UHD's BS in Computer Science utilizes the C++ programming language as it's foundation – students transferring into the program should be fluent in this language