

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	General Chemistry II Lecture/Lab (Core 030)	4
ENGL 1301	ENG 1301	Composition I (Core 010)	3	HIST 1301	HIST 1305	United States History to 1877 (Core 060)	3
MATH 2413 (2)	MATH 2401	Calculus I (Core 020)	4	MATH 2414	MATH 2402	Calculus II	4
CHEM 1311/1111	CHEM 1307/1107	General Chemistry I Lecture/Lab (Core 030)	4	ENGL 1302	ENG 1302	Composition II (Core 010)	3
				COSC 1436	CS 1411	Programming Fundamentals I	4
Total			14	Total			18

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	Social & Behavioral Sciences	Core (080)	Social & Behavioral Sciences (Core 080)	3
PHYS 2325 (3)	PHYS 2401/2101	University Physics I Lecture/Lab	4	GOVT 2306	POLS 2306	Texas Government (Core 070)	3
MATH 2415	MATH 2403	Calculus III	4	PHYS 2326 (3)	PHYS 2402	University Physics II	3
Creative Arts Core Options	Core (050)	Creative Arts (Core 050)	3	HIST 1302	HIST 1306	United States History after 1877 (Core 060)	3
				MATH 2318	MATH 2307	Linear Algebra	3
Total			14	Total			15

Third Year - Junior

Fall Semester				Spring Semester			
	Language, Philosophy & Culture	Language, Philosophy & Culture (Core 040)	3		Minor	See options below – note (3)	3
	MATH 2409	Intro. to Proofs	4		MATH 3302	Probability & Statistics	3
	MATH 3301	Differential Equations	3		MATH 3306	Introduction to Modern Algebra	3
	Minor	See options below – note (3)	3		MATH elective	3000 level MATH-see catalog	3
	Minor	See options below – note (3)	3		Minor	See options below – note (3)	3
Total			16	Total			15

Fourth Year – Senior

Fall Semester				Spring Semester			
	UHD	Course Name	Hrs		UHD	Course Name	Hrs
	MATH elective	4000 level MATH-see catalog	3		MATH elective	4000 level MATH – see catalog	3
	MATH 3408	Numerical Methods	4		MATH elective	3000-4000 level MATH – see catalog	3
	MATH elective	3000-4000 level MATH – see catalog	3		Minor	See options below – note (3)	3
	MATH 3307	Analysis I	3		MATH 4395	Senior Project in Mathematics	3
	Minor	See options below – note (3)	3		Oral Communications	Oral Communications (Core 090)	3
Total			16	Total			15

Notes/Comments:

- EDUC 1300 is required for First Time in College (FTIC) students only. If not FTIC, take SPCH. FTIC students must also complete SPCH.
- 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 an advisor regarding placement testing.
- PHYS 2325/2125 & PHYS 2326 are required for AS in MS, but not required for BA in MS.
- Any university approved Teaching Certification or minor from the College of Business, College of Humanities and Social Sciences, or College of Public Service. Mathematics courses must be completed before beginning student teaching. See Academic Success Coordinator for more details.
- Students transferring from AS in Math to BA in Math will graduate with more than 120 hours.



HCC Associate of Science Mathematics to University of
Houston-Downtown
Bachelor of Arts in Mathematics



Articulation Agreement

Transfer Information

Program Specific Information:
Bachelor of Arts – Mathematics

Program Specific Requirements:

- The BA in Mathematics 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 mathematics and statistics coursework.
- An 18-hour minor or concentration outside of the College of Sciences and Technology or Teacher Certification is required for this degree.

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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