

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 (3)	CHEM 2301/2101	Organic Chemistry I	4	BIOL 2421	MBIO 2305/2105	General Microbiology	4
PHYS 1401	PHYS 1307/1107	College Physics I	4	CHEM 2425 (3)	CHEM 2302/2102	Organic Chemistry II	4
GOVT 2305	POLS 2305	Federal Government (Core 070)	3	BIOL 2416	BIOL 2303/2103	General Genetics Lecture/Lab	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			18
Third Year Junior							
Fall Semester				Spring Semester			
HCC	UHD	Course Name	Hrs	HCC	UHD	Course Name	Hrs
	Core (040)	Language, Philosophy & Culture Lab (Core 040)	3		BIOL 3306	Biological Evolution	3
	CHEM 4340/4140	Biochemistry I	4		CS 1408 or CS 1411	Intro to CS with Visual Basic or Intro to CS w/ Python	4
	Focus Area	See catalog for options	3-4		Focus Area w/ Lab	See catalog for options	4
	COMM (core 90)	Choose from UHD core curriculum	3		TCOM 3302	Business and Technical Writing	3
	PHYS 1308/1108	General Physics II Lecture/Lab	4		Core (080)	Social & Behavioral Sciences (Core 080)	3
Total			17 18	Total			17
Fourth Year Senior							
Fall Semester				Spring Semester			
HCC	UHD	Course Name	Hrs	HCC	UHD	Course Name	Hrs
	Seminar	BIOL 4311 or MBIO 4311 or SUST 4301	3		MBIO 4310	Microbial Biotechnology	3
	UL Sci	BIOL 4331 or BIOL 4332 or BIOL 3300 or BIOL 4380	3		Cell/Molecular	BIOL 4320 or BIOL 4330	3
	Focus Area w/ Lab	See catalog for options	4		STAT 3311	Statistical Analysis for Natural Science	3
	BIOL 4220	Introduction to Genomics & Bioinformatics	2		POLS 2306	Texas Government (Core 070)	3
	Chem/Math/CS	See catalog for options	3-4		Core (050)	Creative Arts (050)	3
Total			15 16	Total			15

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. If placed into MATH 2413, students may need additional hours (free electives) towards the 120 degree required hours.
- CHEM 2302/2102 will satisfy 1 course option from the Chemistry, Mathematics and Computer Science Content area.
- When choosing course options, students should speak with their UHD advisor if interested in minors such as Data Science, Microbiology and Chemistry.

Transfer Information

Program Specific Information:

Bachelor of Science – Biotechnology

Program Specific Requirements:

- The BS in Biotechnology 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 sciences.

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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