

UHV/HCC 2+2 Transfer Plan



**School of Arts &
Sciences**

PROGRAM/PLAN Bachelor of Science Computer Science
CONCENTRATION* _____

Total of 54 hours must be upper division level.

30 of the last 36 upper division semester hours must be completed at UHV.

	HCC Courses (AA)	Hrs. Req	UH-Victoria Courses (BS)	Hrs. Req
CORE CURRICULUM	10 Communications: ENGL 1301,1302 or 2311	6	ENGL 3430 Professional Writing	4
	20 Mathematics: MATH 1314	3	COSC 3317 Object Oriented Programming and Design	3
	30 Life and Physical Sciences: Select 2 from HCC core approved list	6	COSC 3331 Data Structures and Algorithms I	3
	40 Language, Philosophy and Culture: PHIL 2306 or other valid course	3	COSC 3333 Data Structures and Algorithms II	3
	50 Creative Arts: Select 1 creative arts elective from HCC core approved list	3	COSC 4339 Telecommunication and Networks	3
	60 American History: HIST 1301, 1302, 2301, 2328, 2381	6	MATH 3362 Discrete Structures	3
	70 Government/ Political Science: GOVT 2305 and GOVT 2306	6	COSC 3332 Computer Organization and Architecture	3
	80 Social and Behavioral Sciences: Select 1 from PSYC 2301 and SOCI 1301	3	COSC 4320 Software Engineering	3
	90 Component Area: COSC 1301	3	COSC 4336 Database Systems	3
	90 Component Area: SPCH 1315	3	COSC 4337 Operating Systems	3
LD Computer Science Major Core Courses			COSC 4331 Structure of Programming Languages	3
Total of 11 hours: Must take 2 courses w/ lab. Includes courses taken for Life & Physical Science requirement		5	COSC 4350 Information Security, Privacy and Ethics	3
COSC 1436 Programming Fundamentals I		4	MATH 3391 Probability and Statistics	3
COSC 1437 Programming Fundamentals II		4	UD COSC, GMNG or MATH Elective (excluding COSC 3325 & COSC 4305 and MATH classes not offered through A&S)	9
MATH 2413 Calculus I		4	UD Free Electives	
MATH 2414 Calculus II		4	UD Electives	6
Students taking 60 hours above receive an Associate of Arts degree from HCC			Secondary Teacher Certification Option	
LD Free Electives			CUIN 3323 Instructional Design, CUIN 4313 Secondary Teaching Strategies, CUIN 3327 Educational Technology, LITY 4364 Content Area Reading & Study Skills, INDS 3323 Child Dev & App to Learning, SEDU 4303/4304 Secondary School Student Teaching, FEDU 3321 Educational Foundations for Teaching	
Electives as needed to satisfy <i>minimum requirements of 120 hours for degree</i>		0-3		

NOTES:

LD =Lower Division (Community College-Level: Freshman, 1000-level /Sophomore, 2000-level)
UD =Upper Division (University-Level: Junior, 3000-level /Senior, 4000-level)

Student _____

Date _____

Advising Coordinator _____

Date _____