

4-year Suggested Academic Plan for Transfer

First Year - Freshman							
Fall Semester				Spring Semester			
BCD	HCU	Course Name	Hrs	BCD	HCU	Course Name	HRS
COSC 1436	COSC 1351	Introduction to Computer Programming	3	COSC 1437	ENSC 1352	Intermediate Computer Programming	3
MATH 2413	MATH 1451/1051	Calculus I	4	MATH 2414	MATH 2451/1051	Calculus II	4
ENGL 1301	ENGL 1313	English Composition and Literature	3	ENGL 1302	ENGL 1323	English Composition and Literature II	3
SPCH 1315	COMM 1323	Rhetoric and Public	3	HIST 1301 or HIST 1302	HIST 2313 or HIST 2323	US History to 1877 or History 1877 to Present	3
Total			13	Total			13
Second Year - Sophomore							
Fall Semester				Spring Semester			
BCD	HCU	Course Name	Hrs	BCD	HCU	Course Name	Hrs
COSC 2436	COSC 2351	Data Structures	3	COSC 2425	COSC 3341	Computer Architecture	3
MATH 2305	MATH 3311	Introduction to Discrete Math	3	PHYS 2326	PHYS 2423/2023	Principles of Physics II with Lab	4
PHYS 2325	PHYS 2413/2013	Principles of Physics I with Lab	4	PHIL 1301	PHIL 1313	Introduction to Philosophy	3
HIST 1301 or HIST 1302	HIST 2313 or HIST 2323	US History 1877 or US History 1877 to Present	3	PHIL 2301	PSYC 1313	General Psychology	3
				ARTS 1301 or MUSI 1306	ART 2343 or MUSI 1331	Art Appreciation or Music Appreciation	3
Total			13	Total			16
Third Year - Junior							
Fall Semester				Spring Semester			
	HCU	Course Name	Hrs		HCU	Course Name	Hrs
	COSC 2355	Database Management Systems	3		COSC 2454	Adv Data Structures, Algorithms and Programming	4
	COSC 3342	Computer Networks	3		COSC 2353	Operating Systems	3
	GOVT 2313	American & Texas Government	3		COSC 3354	Web Application Programming	3
	ENSC 1411	Engineering and Cyber Projects I	4		CYEN 3331	Computer Network Security	3
	MATH 3314	Probability and Statistics	3		ENSC 1412	Engineering and Cyber Projects II	4
	MATH 3111	Advanced Topic in Math	1				
Total			17	Total			17
Fourth Year - Senior							
Fall Semester				Spring Semester			
	HCU	Course Name	Hrs		HCU	Course Name	Hrs
	COSC 4381	Data Analytics	3		COSC 3352	Theory of Computing	3
	COSC 4352	Software Design & Engineering	3		CYEN Elective	CYEN 4331 or 4332 or 4335 or 4337 or 4352 or 4391	3
	CYEN Elective	CYEN 4331 or 4332 or 4335 or 4337 or 4352 or 4391	3		MATH 2323	Linear Algebra	3
	ENSC 4311	Senior Project I	3		ENSC 4312	Senior Project II	3
	CHRI 3300	Introduction to the Bible and Theology	3		ENGL 2315/2325	Literature I or II	3
	ENSC 4315	Internship/Professional Experience	3				
Total			18	Total			15
				Total			125

Notes/Comments: