Computer Science (B.S.) – Data Analysis and Visualization – Foreign Language

20 Hours

2022-2023 Academic Catalog, Bachelor of Science – Computer Science, Data Analysis and Visualization Specialization, Global Emphasis: Foreign Language

Academic Core for B.S. CHRISTIAN STUDIES		44 Hours	Computer Science B.S. COMPUTER SCIENCE MAJOR REQUIRED COURSES	
		6		
CSBS 1311	Engaging the Old Testament	3	CISC 2315	Discrete Structures of Computer & Eng. Sciences
CSBS 1312	Engaging the New Testament	3	CISC 2330	Introduction to Object-Oriented Programming
			CISC 3321	Object Oriented Development
ENGLISH		9	CISC 3322	Web Development
ENGL 1321	Rhetoric & Composition I	3	CISC 3323	Algorithms & Data Structures
ENGL 1322	Rhetoric & Composition II	3	CISC 3325	Telecommunications & Networks
ENGL	Literature	3	CISC 3341	Operating Systems
A grade of a "C"	or higher is required in ENGL 1321 and ENGL 13	22.	CISC 3360 CISC 4327	Computer Organization & Architecture Database Theory and Application
EXERCISE & SPO	ORT SCIENCE	2	Practical Exper	rience – 300 Hrs. of Practical Work
EXAC Activity Course		1	RECHIRED SI	JPPORT COURSES
EXAC	Activity Course	1	CISC 1305	Introduction to Computing
	,		CISC 4370	Computer Science & Engineering Ethics Seminar
FINE ARTS — SE	ELECT ONE	3	MATH 2320	Linear Algebra
ARTS 1350	Art Appreciation	3	WRIT 3344	Scientific Writing
COMM 2335	Film Appreciation	3	WINI 3344	Scientific Witting
FINA 2330	Exploring the Fine Arts	3	DATA ANALY	SIS AND VIS. SPECIALIZATION – SELECT THREE
	·		CISC 4324	Network Security
MUSI 1340	Music Appreciation	3	CISC 4325	Network Security II: Cryptography
THEA 2350	Introduction to the Theatre	3	CISC 4328	Computer Security
		_	CISC 4310	Artificial Intelligence
	URES – SELECT ONE	3	CISC 4335	Big Data
ARTS 2354	World Art	3	CISC 4340	Data Analysis and Visualization
EXSS 2353	Lifespan Nutrition	3	CISC 4347	Graphics Programming
HIST 1311	History of World Civilizations to 1500	3	CISC 4347	Graphics Programming
HIST 1312	History of World Civilizations since 1500	3	el	20
MUSI 2358	World Music	3	Electives	20
PHIL 2315	Introduction to Philosophy	3		
LAB SCIENCE		8	Total Hours	
	Laboratory Science Courses	8	Academic Core	
	,			sis – Foreign Language
PUBLICSPEAKING		3	B.S. Computer Science Major Required Courses	
COMM 1320	Public Speaking	3	Required Supp	
	, ,		Data Analysis a	and Visualization Specialization
MATHEMATICS	3	3	Electives	
MATH 1330	Calculus I	3	Total hours red	quired for graduation
SOCIAL SCIENCE – SELECT ONE		3	Additional Gra	duation Requirements
BECO 2310	Principles of Economics	3	Minimum Upp	•
PSYC 1301	General Psychology	3	Minimum hou	rs taken at UMHB
PSYC 2399	Child and Adolescent Development	3		er Level hours taken at UMHB
SOCI 1311	Introduction to Sociology	3	Minimum cum	
SOCW 2311	Introduction to Social Work	3		
US HISTORY (OR US GOVERNMENT – SELECT ONE	3		
HIST 2311	American History to 1877	3		
HIST 2312	American History since 1877	3		
POLS 2310	State and Federal Government I	3		
POLS 2311	State and Federal Government II	3		
RESEARCH M	ETHODS OR INTERNSHIP			
	ence – 300 Hrs. of Practical Work	-		
FRESHMAN SEI	VIINAR	1		
UMHB 1101	Freshman Seminar	1		
GLOBAL FMP	HASIS – FOREIGN LANGUAGE	8		
	(2 semesters or the equivalent) in one langua			
CHAPEL-1 to 4	credits			
UMHB 1002	Chapel			
Eino Arte France	·			
UMHB 1005	ence – 2 to 8 credits Fine Arts Experience			
C.M. ID 1002	Time Art & Experience			