Computer Science (B.S.) — Data Analysis and Visualization — Study Abroad 2024-2025 Academic Catalog, Bachelor of Science — Computer Science, Data Analysis and Visualization Specialization, Global Emphasis: Study Abroad

Academic Core for B.S. 48 H		Hours	Computer Science		48 Hours
CHRISTIAN STUD	DIES	6	B.S. COMPUT	ER SCIENCE MAJOR REQUIRED COURSES	27
CSBS 1311	Engaging the Old Testament	3	CISC 2315	Discrete Structures of Computer & Eng. Sciences	s 3
CSBS 1311	Engaging the New Testament	3	CISC 2330	Introduction to Object-Oriented Programming	3
0303 1312	Engaging the New Yestament	9	CISC 3321	Object Oriented Development	3
ENGLISH		9	CISC 3322	Web Development	3
ENGL 1321	Rhetoric & Composition I	3	CISC 3323	Algorithms & Data Structures	3
ENGL 1322	Rhetoric & Composition II	3	CISC 3325	Telecommunications & Networks	3
ENGL	Literature	3	CISC 3341	Operating Systems	3
A grade of a "C" o	or higher is required in ENGL 1321 and ENGL 1322.		CISC 3360 CISC 4327	Computer Organization & Architecture Database Theory and Application	3
EXERCISE & SPO	RT SCIENCE - SELECT TWO DIFFERENT COURSES	2		ience – 300 Hrs. of Practical Work	-
EXAC Activity Course		1	BEOLUBED CI	JPPORT COURSES	12
EXAC	Activity Course	1	CISC 1305	Introduction to Computing	3
FIAIF ADTC CEI	FOT ONE	•	CISC 4370	Computer Science & Engineering Ethics Seminar	
FINE ARTS — SEL		3	MATH 2320	Linear Algebra	3
ARTS 1350	Art Appreciation	3	WRIT 3344	Scientific Writing	3
COMM 2335	Film Appreciation	3			
FINA 2330	Exploring the Fine Arts	3		SIS AND VIS. SPECIALIZATION – SELECT THREE	9
MUSI 1340	Music Appreciation	3	CISC 4324	Network Security	3
ΓHEA 2350	Theatre Appreciation	3	CISC 4325	Network Security II: Cryptography	3
	ead e Appreciation	5	CISC 4328	Computer Security	3
WORLD CULTU	JRES – SELECT ONE	3	CISC 4310	Artificial Intelligence	3
ARTS 2354	World Art	3	CISC 4335	Big Data	3
XSS 2353	Lifespan Nutrition	3	CISC 4340	Data Analysis and Visualization	3
GLBL 2310	Cultural Immersion	3	CISC 4347	Graphics Programming	3
HIST 1311	History of World Civilizations to 1500	3			
HIST 1312	History of World Civilizations since 1500	3			
1UMA 2355	Foundations of the Humanities	3	Electives	24 H	lours
MUSI 2358	World Music	3			
HIL 2315	Introduction to Philosophy	3	ELECTIVES		24
	, ,		You need 24 ac	dditional hours to reach your minimum 120 required	d hrs.
AB SCIENCE		<u>8</u>			
	Laboratory Science Courses	8	Total Hours		
PUBLIC SPEAKIN	IG	3	Academic Core	e for B.S.	45
COMM 1320	Public Speaking	3	Global Emphas	sis – Study Abroad	3
COIVIIVI 1320	Fubile Speaking	J	B.S. Computer	Science Major Required Courses	27
MATHEMATICS		4	Required Supp	ort Courses	12
MATH 1430	Calculus I	4	Data Analysis a	ınd Visualization Specialization	S
			Electives		24
	CE – SELECT ONE	3	Total hours red	quired for graduation	120
3ECO 2310	Principles of Economics	3			
SYC 1301	General Psychology	3		duation Requirements	_
SYC 2399	Child and Adolescent Development	3	Minimum Upp		36
OCI 1311	Introduction to Sociology	3		rs taken at UMHB	30
OCW 2311	Introduction to Social Work	3		er Level hours taken at UMHB	24
IS HISTORY O	R US GOVERNMENT – SELECT ONE	3	Minimum cum	uidlive GPA	2.0
IIST 2311	American History to 1877	3			
IIST 2312	American History since 1877	3			
OLS 2305	United States Government	3			
OLS 2306	Texas State and Local Government	3			
ESFARCH ME	THODS OR INTERNSHIP				
	ence – 300 Hrs. of Practical Work	-			
RESHMAN SEIV	MINAR	1			
JMHB 1101	Freshman Seminar	<u>_</u>			
LOBAL EMPH	ASIS – STUDY ABROAD	3			
	Study Abroad	3			
HAPEL-1 to 4 o	credits				
JMHB 1002	Chapel				
ine Arts Experie	ence – 2 to 8 credits				
JMHB 1005	Fine Arts Experience				
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