Engineering (B.S.) — Electrical Engineering — Foreign Language 2024-2025 Academic Catalog, Bachelor of Science — Engineering, Electrical Engineering Track, Global Emphasis: Foreign Language

	Core for B.S. 53 H	ours	_	_	
CHRISTIAN STUD	DIES	6	B.S. ENGINEE	RING MAJOR REQUIRED COURSES	2
CSBS 1311	Engaging the Old Testament	3	ENGR 2311	Numerical Algorithms	
SBS 1311	Engaging the New Testament	3	ENGR 2320	Engineering Mechanics: Statics	
3353 1312	Engaging the New Testament	3	ENGR 2321	Engineering Mechanics: Dynamics	
NGLISH		9	ENGR 2130	Electric Circuits Laboratory	
NGL 1321	Rhetoric & Composition I	3	ENGR 2330	Electrical Circuit Theory	
NGL 1321 ENGL 1322	Rhetoric & Composition II	3	ENGR 2345	Engineering Thermodynamics	
ENGL	Literature	3	ENGR 3360	Engineering Design: Engineering for Humanity	
	or higher is required in ENGL 1321 and ENGL 1322.	3	ENGR 4370	Computer Science & Engineering Ethics Seminar	
a gruue oj u C	or nigher is required in ENGL 1321 and ENGL 1322.		ENGR 4380	Capstone Design I	
EXERCISE & SPO	RT SCIENCE – SELECT TWO DIFFERENT COURSES	2	ENGR 4381	Capstone Design II	
EXAC	Activity Course	1	FLECTRICAL E	NGINEERING TRACK	:
EXAC	Activity Course	1	ENGR 3130	Electronics Laboratory	-
	•		ENGR 3137	Digital Logic Design Laboratory	
FINE ARTS — SEL	LECT ONE	3		Electronics	
ARTS 1350	Art Appreciation	3	ENGR 3330		
COMM 2335	Film Appreciation	3	ENGR 3337	Digital Logic Design	
	• •		ENGR 4312	Digital Signal Processing	
FINA 2330	Exploring the Fine Arts	3	ENGR 4315	Power Systems	
MUSI 1340	Music Appreciation	3	ENGR 4330	Engineering Electromagnetics	
ΓΗΕΑ 2350	Theatre Appreciation	3	ENGR 4360	Signals and Systems	
MODID CITT	JRES – SELECT ONE	3	ENGINEERING	G UPPER-LEVEL ELECTIVES – SELECT TWO	
RTS 2354	World Art	3	CISC 3321	Object Oriented Development	
XSS 2353	Lifespan Nutrition	3	ENGR 3365	Introduction to Optics	
			ENGR 4310	Vibrations	
GLBL 2310	Cultural Immersion	3	ENGR 4320	System Dynamics and Control	
HIST 1311	History of World Civilizations to 1500	3	ENGR 4325	Radio Frequency Circuit	
HIST 1312	History of World Civilizations since 1500	3	ENGR 4365	Mechatronics	
HUMA 2355	Foundations of the Humanities	3			
MUSI 2358	World Music	3	ENGR 4391	Special Topics	
HIL 2315	Introduction to Philosophy	3	REQUIRED SU	IPPORT COURSES	:
AD SCIENCE		0	CISC 2330	Introduction to Object-Oriented Programming	
AB SCIENCE		8	ENGR 1310	Introduction to Engineering	
PHYS 2421	Physics and Calculus I	4	ENGR 1320	Introduction to Engineering Fundamentals	
PHYS 2422	Physics and Calculus II	4	ENGR 2010	AutoCAD Proficiency	
			ENGR 2010 ENGR 4090	Practical Experience	
PUBLIC SPEAKING		3		·	
COMM 1320	Public Speaking	3	MATH 2320	Linear Algebra	
	,	_	MATH 2430	Calculus II	
MATHEMATICS		4	MATH 3325	Ordinary Differential Equations	
MATH 1430	Calculus I	4	MATH 3430	Calculus III	
		·	CHEM 1410	General Chemistry I	
SOCIAL SCIENC	CE – SELECT ONE	3			
3ECO 2310	Principles of Economics	3	T-1-111		
PSYC 1301	General Psychology	3	Total Hours		
PSYC 2399	Child and Adolescent Development	3	Academic Core for B.S.		4
SOCI 1311	Introduction to Sociology	3	Global Emphas	is – Foreign Language	
SOCW 2311	Introduction to Social Work	3	B.S. Engineerin	g Major Required Courses	2
50011 2511	THE Oddellor to Social Work	3	Electrical Engin	eering Track	2
US HISTORY O	R US GOVERNMENT – SELECT ONE	3	Engineering Up	pper Level Electives	
HIST 2311	American History to 1877	3	Required Supp		2
HIST 2312	American History since 1877	3		uired for graduation	13
	United States Government	3	rotal flours req	an caron Bradadion	
POLS 2305			Additional Grad	duation Requirements	
POLS 2306	Texas State and Local Government	3	Minimum Uppe		3
RESEARCH METHODS OR INTERNSHIP		0		rs taken at UMHB	3
NGR 4090		0		er Level hours taken at UMHB	
		· ·	Minimum cum		2
RESHMAN SEIV	/IINAR	1	iviii iii laini canii	and 11 01 / 1	
JMHB 1101	Freshman Seminar	1			
GLOBAL EMPL	IASIS – FOREIGN LANGUAGE	8			
	2 semesters or the equivalent) in one language	8			
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CHAPEL-1 to 4					
UMHB 1002	Chapel				

UMHB 1005 Fine Arts Experience