## Critical Technological Studies (B.S.) — Engineering Track 2025-2026 Academic Catalog, Bachelor of Science — Critical Technological Studies, Engineering Track

Academic Core for B.S. CHRISTIAN STUDIES		45 Hours	CHAPEL – 1 to 4 credits			
		6	UMHB 1002 Chapel			
CSBS 1311	Engaging the Old Testament	3	Fine Δrts Fyneri	ence – 2 to 8 credits		
CSBS 1312	Engaging the New Testament	3	UMHB 1005	Fine Arts Experience		
ENGLISH		9				
ENGL 1321	Rhetoric & Composition I	3	Critical Tec	hnological Studies	42 Hour	
ENGL 1322	Rhetoric & Composition II	3				
ENGL	Literature	3		RING TRACK REQUIRED COURSES	ramming 3	
A grade of a "C"	or higher is required in ENGL 1321 and EN	GL 1322.	CISC 2330 CISC 3322	Introduction to Object-Oriented Progr Web Development	ramming 3 3	
EXERCISE & SPC	ORT SCIENCE - SELECT TWO DIFFERENT CO	OURSES 2	ENGR 1310	Introduction to Engineering	3	
EXAC	Activity Course	1	ENGR 1320	Introduction to Engineering Fundame		
EXAC	Activity Course	1	ENGR 2320	Statics	3	
	,		ENGR 2345	Thermodynamics	3	
FINE ARTS — SE	LECT ONE	3	ENGR 3360	Engineering for Humanity	3	
ARTS 1310	Drawing I	3	DEUI IIDEU HI	JMANITIES COURSES	٥	
ARTS 1320	Design	3	HUMA 2355	Foundings	<b>9</b>	
ARTS 1350	Art Appreciation	3	WRIT 3342	Advanced Grammar	3	
ARTS 2360	Ceramics I	3	WRIT 3344	Scientific Writing	3	
COMM 2335	Film Appreciation	3		_		
FINA 2330	Exploring the Fine Arts	3		YSIS – SELECT ONE	3	
MUSI 1340	Music Appreciation	3	COMM 2390	Introduction to Film Studies	3	
THEA 2350	Theatre Appreciation	3	ENGL	Literature	3	
		_	ORAL COMM	UNICATION – SELECT ONE	3	
	URES – SELECT ONE	<u>3</u>	COMM 3310	Persuasion	3	
ARTS 2354 EXSS 2353	World Art Lifespan Nutrition	3	COMM 3325	Advanced Public Speaking	3	
GLBL 2310	Cultural Immersion	3	CI II TUDAL III	INAANITIES SELECT ONE		
HIST 1311	History of World Civilizations to 1500		HUMA 2350	JMANITIES – SELECT ONE	<b>3</b>	
HIST 1312	History of World Civilizations since 1		HUMA 2360	Origins Explorations	3	
HIST 2350	An Introduction to the Politics and C	ulture of Ancient	1101VIA 2300	Explorations	3	
	Greece and Rome	3	PRACTICAL M	EDIA SKILLS – SELECT ONE	3	
HUMA 2355	Foundations of the Humanities	3	COMM 3343	Documentary Filmmaking	3	
MUSI 2358	World Music	3	COMM 4377	Narrative Film Production	3	
PHIL 2315	Introduction to Philosophy	3				
LAB SCIENCE		8	Electives		33 Hours	
	Laboratory Science Courses	8				
		_	UPPER LEVEL		18	
PUBLIC SPEAKIN		3	You need 18 ac	Iditional hours to reach your minimum 36	b UL required hrs.	
COMM 1320	Public Speaking	3	ELECTIVES		15	
MATHEMATICS	3	4		ditional hours to reach your minimum 12		
MATH 1430	Calculus I	4				
		_				
	CE – SELECT ONE	3	Total Hours	6 - 5 -		
BECO 2311 EDUC 2399	Principles of Macroeconomics Child and Adolescent Development	3 3	Academic Core		45	
PSYC 1301	General Psychology	3	Upper Level Ele	hnological Studies Required Courses	42 18	
SOCI 1311	Introduction to Sociology	3	Electives	SCH VC3	15	
SOCW 2311	Introduction to Social Work	3		uired for graduation	120	
		_		<b>3</b>		
	OR US GOVERNMENT – SELECT ONE	3	Additional Grad	duation Requirements		
HIST 2311 HIST 2312	American History to 1877	3	Minimum Uppe		36	
POLS 2305	American History since 1877 United States Government	3		s taken at UMHB	30	
POLS 2305	Texas State and Local Government	3		er Level hours taken at UMHB	24	
		S	Minimum cum	uidlive GPA	2.0	
	ETHODS OR INTERNSHIP					
ENGR 4090 Pra	ctical Experience	-				
FRESHMAN SEN	MINAR	1				
UMHB 1101	Freshman Seminar	1				
CIAIL ID TIOT	r Camman acimilal	1				

## Critical Technological Studies (B.S.) — Engineering 2025-2026 Academic Catalog, Bachelor of Science — Critical Technological Studies — Engineering — DEGREE SEQUENCE

FRESHMAN FALL 15		L5 Hours	ours FRESHMAN SPRING		15 Hours	
ENGL 1321	Rhetoric & Composition I*	3	ENGL 1322	Rhetoric & Composition II*	3	
	Lab Science (PHYS 2421 recommended)	4		Lab Science (PHYS 2422 recommended)	4	
MATH 1430	Calculus I	4		Elective (MATH 2430 recommended)	4	
ENGR 1310	Introduction to Engineering	3	ENGR 1320	Intro to Engineering Fundamentals	3	
UMHB 1101	First Year Seminar	1	EXAC	Activity Course	1	
UMHB 1002	Chapel	0	UMHB 1002	Chapel	0	
UMHB 1005	Fine Arts Experience	0	UMHB 1005	Fine Arts Experience	0	
SOPHOMORE	FALL	L5 Hours	SOPHOMORE	SPRING	15 Hours	
ENGL	Literature*	3	ENGR 2345	Engineering Thermodynamics	3	
ENGR 2320	Engineering Mechanics: Statics	3		Fine Arts	3	
CISC 2330	Introduction to Object-Oriented Programm	ing 3		Social Science	3	
COMM 1320	Public Speaking**	3	CSBS 1312	Engaging the New Testament	3	
CSBS 1311	Old Testament	3		US History or US Government	3	
UMHB 1002	Chapel	0	UMHB 1002	Chapel	0	
UMHB 1005	Fine Arts Experience	0	UMHB 1005	Fine Arts Experience	0	
JUNIOR FALL	,	L5 Hours	JUNIOR SPRIN	ie.		
		25 1 10015		iG .	1E House	
HUMA 2355	Foundings	3		LILINAA 22EO oz LILINAA 22CO	15 Hours	
HUMA 2355	Foundings ENGL Literature or COMM 2390	3		HUMA 2350 or HUMA 2360 Web Development	3	
HUMA 2355 WRIT 3342	· ·	-	CISC 3322 WRIT 3344	Web Development		
HUMA 2355 WRIT 3342	ENGL Literature or COMM 2390	3	CISC 3322		3	
	ENGL Literature or COMM 2390 Advanced Grammar	3	CISC 3322	Web Development Scientific Writing	3 3 3	
WRIT 3342	ENGL Literature or COMM 2390 Advanced Grammar Minor/Elective*** Fine Arts Experience	3 3 6	CISC 3322 WRIT 3344	Web Development Scientific Writing Minor/Electives*** Fine Arts Experience	3 3 3 6	
WRIT 3342 UMHB 1005	ENGL Literature or COMM 2390 Advanced Grammar Minor/Elective*** Fine Arts Experience	3 3 6 0	CISC 3322 WRIT 3344 UMHB 1005	Web Development Scientific Writing Minor/Electives*** Fine Arts Experience	3 3 3 6 0	
WRIT 3342 UMHB 1005 SENIOR FALL	ENGL Literature or COMM 2390 Advanced Grammar Minor/Elective*** Fine Arts Experience	3 3 6 0	CISC 3322 WRIT 3344 UMHB 1005	Web Development Scientific Writing Minor/Electives*** Fine Arts Experience	3 3 3 6 0	
WRIT 3342 UMHB 1005  SENIOR FALL EXAC	ENGL Literature or COMM 2390 Advanced Grammar Minor/Elective*** Fine Arts Experience	3 3 6 0	CISC 3322 WRIT 3344 UMHB 1005	Web Development Scientific Writing Minor/Electives*** Fine Arts Experience	3 3 6 0 <b>15 Hours</b> mester 0	
WRIT 3342 UMHB 1005  SENIOR FALL EXAC	ENGL Literature or COMM 2390 Advanced Grammar Minor/Elective*** Fine Arts Experience  Activity Course Engineering for Humanity	3 3 6 0	CISC 3322 WRIT 3344 UMHB 1005	Web Development Scientific Writing Minor/Electives*** Fine Arts Experience   G  Practical Experience – to be taken last ser World Cultures	3 3 6 0 <b>15 Hours</b> mester 0	

**Total Credit Hours: 120** 

A major in Critical Technological Studies consists of 42 semester hours. Students must maintain a GPA of 2.0 or better for courses in the major

<sup>\*</sup> Prerequisites for upper-level English and WRIT courses.

 $<sup>\</sup>begin{tabular}{ll} ** Prerequisite for upper-level COMM courses. \end{tabular}$ 

<sup>\*\*\*</sup> If no minor declared, fulfill with electives

<sup>†</sup> If possible, Majors are strongly recommended taking WRIT 4192-