

UNIVERSITY OF MARY HARDIN-BAYLOR **BACHELOR OF SCIENCE**

STUDENT NAME	ID #	
EMAIL	PHONE #	

1845	*	Engir	neering Science									
	125 MINIMUM HOURS		CHRISTIA	N STUDIES - 6 HOURS		MAJOR			ELECTIVES - AS NEEDED TO COMPLETE 124 HRS			
	36 UPPER LEVEL HO	URS	CSBS 1311 Engagii	ng the Old Testament	1	12 HOURS (6 UPPER LEVEL) AT UMHB			Upper Level Courses Recommended			
32 HOURS AT UMHB			CSBS 1312 Engagii	ng the New Testament		12 HOURS MINIMUM UPPER LEVEL			CISC 2330* Intro to Object-Oriented Program			
	•			<u> </u>		ENGINEERING SCIENCE		ENGR 1310*	Introdution to Engineering			
ENGLISH - 12 HOURS			SOCIAL	SCIENCE - 6 HOURS		41 HOURS			Introduction to Engr Fund.			
ENGL 1321^	Comp I		TWO DIFFERENT DI	SCIPLINES OUTSIDE OF THE MAJOR	ENGR 2311	Numerical Algorithms		MATH 1330*	Calculus I			
ENGL 1322^	Comp II				ENGR 2320	Engineering Mechanics: Statistics		MATH 2320*	Linear Algebra			
ENGL	Literature				ENGR 2321	Engineering Mechanics: Dymanics		MATH 2330*	Calculus II			
ENGL	Literature				ENGR 2345	Engineering Thermodynamics		MATH 3325*	Ordinary Differential Equations			
^Must earn a "C	or higher in ENGL 1321 & 13	322	WORLD IDE	AS OR PHILOSOPHY OR	ENGR 2430	Electrical Circuit Theory		MATH 3326*	Partial Equations			
LABORATORY SCIENCE NON-US HISTORY - 3 HOU					ENGR 3160	Engr Design: Bio-Inspired Design		MATH 3330*	Calculus III			
	12 HOURS				ENGR 3260	Engr Design: Engr for Humanity		WRIT 3334*	Scientific Writing			
TW	O DIFFERENT DISCIPL	INES			ENGR 4370	CS&E Ethics Seminar						
CHEM 1410* General Chemistry I			GLO	BAL ISSUES OR	ENGR 4380	Capstone Design I						
PHYS 2421*	Physics with Calculus I		SOCIAL	SCIENCE - 3 HOURS	ENGR 4381	Capstone Design II						
Fulfilled by Ma	ijor					Engineering Track - Choose One	•					
*Required su	upport courses					Electrical Engineering Track - 7 hours		i i				
QUANTI	TATIVE REASONING -	3 HOURS	PUE	BLIC SPEAKING	ENGR 3137	Digital Logic Design Library						
MATH 1320 Pre Calculus			3 HOURS		ENGR 3337	Digital Logic Design						
			COMM 1320 Public S	Speaking	ENGR 4330	Engineering Electromagnetics						
SCI INQ	UIRY OR NATURAL SCI -	3 HOURS				Mechanical Engineering Track - 7 hour	S					
PHYS 2422* Physics with Calculus II AC			ACTIVIT	TY PE - 2 COURSES	ENGR 3420	Mechanics of Materials						
*Required support course					ENGR 4320	System Dynamics and Control						
FINE ARTS - 3 HOURS					ENGR 4340	Principles of Heat Transfer						
					ENGR 4350	Fluid Mechanics						
			FINE A	RTS EXPERIENCE	Engine	Engineering Upper Level Electives - 6-7 hours						
FRESHMAN SEMINAR - 1 HOUR		2	TO 8 CREDITS	CISC 3321	Object Oriented Development							
UMHB 1101			UMHB 1005		CISC 3361	System Programming: Robotics						
			UMHB 1005		ENGR 3137	Digital Logic Design Laboratory						
CHAPEL - 1 TO 4 CREDITS UMHB 1005				ENGR 3337	Digital Logic Design		*Required support courses					
UMHB 1002			UMHB 1005		ENGR 3420	Mechanics of Materials						
UMHB 1002			UMHB 1005		ENGR 4320	System Dynamics and Control						
UMHB 1002			UMHB 1005		ENGR 4330	Engineering Electromagnetics						
UMHB 1002			UMHB 1005		ENGR 4340	Principles of Heat Transfer		1	OLLEGES / UNIVERSITIES ATTE	NDED:		
UMHB 1005					ENGR 4350							
ADVISOR (Major)/Date				Students mu	Students must select either the Electrical or Mechanical (2)							
				Track and co	Track and complete 7 hours within the track. In addition (3)							
					to the 7 hour	s, students must choose 6-7 hours from	n the					
					upper level e	electives list. Courses cannot be count	ed twice.					