UNIVERSITY OF MARY HARDIN-BAYLOR
BACHELOR OF SCIENCE
Computer Science

STUDENT NAME _____ ID # _____

EMAIL _____ PHONE # _____

	124 MINIMUM HOURS	
	36 UPPER LEVEL HOURS	
	31 HOURS AT UMHB	

ENGLISH - 12 HOURS

ENGL	1321^	Comp I		
ENGL	1322^	Comp II		
ENGL		Literature		
ENGL		Literature		

^Must earn a "C" or higher in ENGL 1321 & 1322

LABORATORY SCIENCE
12 HOURS
TWO DIFFERENT DISCIPLINES

QUANTITATIVE REASONING - 3 HOURS

Fulfilled by Major		-	-

SCI INQUIRY OR NATURAL SCI* - 3 HOURS

*ENGR 2301 is strongly recommended

FINE ARTS - 3 HOURS

FRESHMAN SEMINAR - 1 HOUR

UMHB	1101		

CHAPEL - 1 TO 4 CREDITS

UMHB 1002			
UMHB 1002			
UMHB 1002			
UMHB 1002			

ADVISOR (Major)/Date _____

CHRISTIAN STUDIES - 6 HOURS

CSBS	1311	Engaging the Old Testament		
CSBS	1312	Engaging the New Testament		

SOCIAL SCIENCE - 6 HOURS
TWO DIFFERENT DISCIPLINES OUTSIDE OF THE MAJOR

WORLD IDEAS OR PHILOSOPHY OR
NON-US HISTORY - 3 HOURS

GLOBAL ISSUES OR
SOCIAL SCIENCE - 3 HOURS

PUBLIC SPEAKING
3 HOURS

COMM	1320	Public Speaking		

ACTIVITY PE - 2 COURSES

Date of Entry _____

Expected Graduation Date _____

PREVIOUS COLLEGES / UNIVERSITIES ATTENDED:

(1) _____

(2) _____

(3) _____

MAJOR
12 HOURS (*6 UPPER LEVEL*) AT UMHB
12 HOURS MINIMUM UPPER LEVEL
COMPUTER SCIENCE
48 HOURS

CISC	2315	Discrete Structures for CSE		
CISC	2325	Telecommunications & Networks		
CISC	2330	Intro to Object-Oriented Programming		
CISC	3321	Object-Oriented Development		
CISC	3341	Operating Systems		
CISC	3360	Computer Organization & Arch.		
CISC	4305	Algorithms & Data Structures		
CISC	4327	Data Mining Algorithms & Appl.		
		Practical Experience^		

Required Support Courses - 12 hours

CISC	2305	Intro to Computer & Engineering Scien		
CISC	4370	CISC & ENGR Seminar		
MATH ´	1330	Calculus I		
MATH ´	2320	Linear Algebra		

Computer Science Elective** - 3 hours
Choose from CISC, ENGR, MATH or BCIS

Specialization (9 hours)
Students may select courses from one or multiple specializations.

Network-Centric Specialization

CISC	4324	Network Security		
CISC	4325	Network Security II: Cryptograph		
CISC	4328	Computer Security		

Human-Computer Interface Specialization

CISC	3361	System Programming: Robotics		
CISC	4322	Telecommunications Development		
CISC	4326	Programming Languages		
CISC	4347	Graphics Programming		

Games Programing Specialization

CISC	4345	Games Programming I		
CISC	4346	Games Development		
CISC	4348	Game Production Development		

ELECTIVES - AS NEEDED TO COMPLETE 124 HRS
Upper Level Courses Recommended

FINE ARTS EXPERIENCE
2 TO 8 CREDITS

UMHB 1005			
UMHB 1005			
UMHB 1005			
UMHB 1005			
UMHB 1005			
UMHB 1005			
UMHB 1005			
UMHB 1005			

No grade lower than "C" will be counted as a fulfillment of any major course requirement.

**A course taken to meet degree requirements cannot be counted to meet this requirement.

^300 hrs of practical work experience in major required through full- or part-time employment, internships (including CISC 4395), apprenticeships international experiences, or co-op experiences.