HOUSTON CHRISTIAN UNIVERSITY DEGREE PROGRAM PLAN
BACHELOR OF SCIENCE (BS)
CYBERSECURITY MAJOR

Houston Christian UNIVERSITY

NAME: _____ H# _____ DATE: _____

CATALOG YEAR: **2023/2024**

Candidates for a single major undergraduate baccalaureate degree must complete a total of at least 123 credit hours along with the following requirements:
- No fewer than 30 semester hours of upper / advanced level (3000 or 4000) courses.
- No more than 6 credit hours in Kinesiology activity courses or other student activity hours will count towards the 123 credit hour requirement.
- Complete the Liberal Arts Core Requirements (certain majors may have their own prescribed Liberal Arts Core Requirements--please see your advisor in your major.)
- Complete a minimum of 30 hours or 25% of the required hours, whichever is greater, of residency at HCU including at least 12 advanced credit hours in the major.
- Cumulative GPA of at least 2.00 with no grade below "C" in courses required for the major.
- If completing a MINOR, at least 9 upper level hours of RESIDENCY at HCU included in the MINOR w/grade of C or higher in all courses.

Once admitted and enrolled at HCU, each student MUST:
- Receive prior approval for any courses taken at another college (once an undergraduate student has enrolled at HCU, no more than 18 semester hours total will be accepted for transfer credit.)
- File a degree plan with the Office of Academic Records <u>before</u> 64 credit hours have been completed.
- File a graduation application at least one (1) semester <u>before</u> anticipated date of graduation.

LIBERAL ARTS CORE REQUIREMENTS:

"*" Indicates course must be completed with a "C" or higher.

COURSES	Hours	COURSES	Hours
*ENGL 1313 Composition and Literature I	3	*MATH 1434 Pre-Calculus or <u>higher</u>	4
*ENGL 1323 Composition and Literature II	3	GOVT 2313 American and Texas Government	3
ENGL 2315 or 2325 Great Works of Literature I or II	3	HIST 2311 Western Civilization I	3
PSYC 1313 General Psychology	3	HISTORY: Choose 1 from HIST 2312, HIST 2313 or HIST 2323	3
PHIL 1313 Introduction to Philosophy	3	ART 2343 Art Appreciation or MUSI 1331 Music Appreciation	3
PHYS 2413 / 2013 Principles of Physics I w /lab	4	COMM 1323 Rhetoric and Public Speaking	3
CHRI 1301 Introduction to the Bible	3		
CHRI 2373 Christian Theology and Tradition	3	TOTAL HOURS IN LIBERAL ARTS CORE	44

Students transferring to Houston Christian University with 45 hours or more of transferable college credit are only required to take CHRI 3300 *Introduction to the Bible and Theology*, **to meet their Liberal Arts Core Curriculum Christianity requirements.**

COURSE NO.	COURSE NAME	HOURS
	MATH AND SCIENCE REQUIREMENTS:	
MATH 1451	Calculus I	4
MATH 3311	Introduction to Discrete Math	3
MATH 3314	Probability and Statistics	3
	Total Program Requirement Hours	**10**

MAJOR REQUIREMENTS: All courses within major must be completed with a "C" or higher.

COURSE NO.	COURSE NAME	HOURS
COSC 1351	Introduction to Computer Programming	3
COSC 1352	Intermediate Computer Programming	3
CYSC 1331	Introduction to Cybersecurity	3
COSC 2351	Data Structures	3
CYSC 2311	System Administration	3
CYSC 2312	Cloud Architecture	3
CYSC 2321	Mobile/Wireless Computing	3
COSC 2353	Operating Systems	3
COSC 2355	Database Management Systems	3
COSC 3342	Computer Networks	3
CYEN 3321	Ethical Hacking	3
CYEN 4331	Digital Forensics and Cyber Crime	3
CYEN 3331	Computer Network Security	3
CYEN 3332	Ethics and Cyber Warfare	3
CYSC 4336	Risk Management and Analysis	3
CYEN 4337	Security Operations	3
ENSC 4311	Senior Project I	3
CYEN 4381	Data Analytics	3
ENSC 4312	Senior Project II	3
CYEN 4333	Reverse Engineering	3
CYEN 4335	Applied Cryptography	3
ENSC 4315	Internship/Professional Experience	3
CYEN or COSC	Choose 3 SCH from any 3000 or 4000 COSC or CYEN course not currently on the degree plan	3
	Total Hours in Major	**69**
	Total Hours in Major & Program Requirements	**79**
	TOTAL HOURS IN DEGREE	**123**

OTHER GRADUATION REQUIREMENTS

Any departmental Exit Exams.
Community Life & Worship (CLW): 80 credits by graduation (Worship Events - at least 50 CLW credits & Community Life Events – no more than 30 CLW credits)
A max of 60 CLW credits can be earned through CLEP, dual credits & transfer credit that is accepted through the HCU Office of Academic Records.

Freshman Year Seminar, FYS 1300, is required for all students entering with less than thirty (30) completed semester hours. College credit earned prior to high school graduation does not count toward the 30-hour credit.100% online students will take a three -hour course, **ONLN 1300** Introduction to Online Learning, in place of FYS 1300.

APPROVED BY:

_____ _____
ADVISOR   DATE

_____ _____
DEAN OF COLLEGE   DATE

I HAVE READ AND AGREE TO ABIDE BY ALL REQUIREMENTS ON THE DEGREE PLAN

_____ _____
STUDENT SIGNATURE   DATE

THIS DEGREE PLAN IS NOT VALID UNTIL RECEIVED & PROCESSED BY THE OFFICE OF ACADEMIC RECORDS   PROCESSED BY _____ DATE _____

(New 6/01/2023: BS-Cybersecurity)