



HOUSTON CHRISTIAN UNIVERSITY DEGREE PLAN
BACHELOR OF SCIENCE (BS) IN ELECTRICAL ENGINEERING WITH HONORS COLLEGE CORE
CATALOG YEAR: 2024-2025

NAME: _____ H#: _____ DATE: _____

Candidates for a single major undergraduate baccalaureate degree must complete a total of at least 129 credit hours along with the following requirements:

- No fewer than 30 semester hours of upper-level (3000 or 4000) courses.
- No more than 6 credit hours in Kinesiology activity courses or other student activity hours will count towards the 129-credit hour requirement.
- Complete the Honors Core Requirements
- Complete a minimum of 30 hours or 25% of the required hours, whichever is greater, of residency at HCU including at least 12 upper-level 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 with a 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 institution (up to 18 total credit hours only).
- File a degree plan with the Office of Academic Records before 60 credit hours have been completed.
- File an application to graduate at least one (1) semester before anticipated date of graduation.

HONORS COLLEGE CORE REQUIREMENTS: *Course must be completed with a "C" or higher

COURSE	HOURS	COURSE	HOURS
*ENGL 1313 Composition & Literature I or HNRS 1313 Honors Composition I	3	HNRS 2640 Enlightenment & Modernity: 1600-1800	6
*ENGL 1323 Composition & Literature II or HNRS 1323 Honors Composition II	3	HNRS 2060 Honors Lecture IV	0
MATH 1451 Calculus I	4	HNRS 3610 The Last Two Hundred Years: 1800 to Present	6
HNRS 1310 Walking to Piraeus: The Ancient Greek World	3	HNRS 3030 Honors Lecture V	0
HNRS 1030 Honors Lecture	0	HNRS 3130 Honors Science Readings	1
HNRS 1640 All Roads Lead to Rome: The Ancient Roman & Early Christian Worlds	6	HNRS 3640 The Story of Scripture: The Biblical Narrative from Genesis to Revelation	6
HNRS 1060 Honors Lecture II	0	HNRS 3060 Honors Lecture VI	0
HNRS 2610 Faith, Reason & Romance: The Medieval & Renaissance Worlds	6	PHYS 2413 Principles of Physics I	4
HNRS 2030 Honors Lecture III	0	TOTAL HOURS IN HONORS COLLEGE CORE	48

MATH AND SCIENCE REQUIREMENTS: All courses must be completed with a "C" or higher

COURSE #	COURSE NAME	HOURS
MATH 1451	Calculus I	Honors College Core
MATH 1452	Calculus II	4
MATH 2451	Calculus III	4
MATH 3333	Ordinary Differential Equations	3
MATH 3314	Probability & Statistics	3
COSC 1351	Introduction to Computer Programming	3
COSC 1352	Intermediate Computer Programming	3
PHYS 2413	Principles of Physics I	Honors College Core
PHYS 2423	Principles of Physics II	4
CHEM 2315/2115 or BIOL 2354/2154	General Chemistry I / General Chemistry I Lab or General Biology I / General Biology I Lab	4
TOTAL MATH AND SCIENCE REQUIREMENTS		28

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

COURSE #	COURSE NAME	HOURS
ENSC 1411	Engineering & Cyber Projects I	4
ENSC 1412	Engineering & Cyber Projects II	4
ENSC 2361	Electrical Engineering & Circuits	3
ENSC 4311	Senior Project I	3
ENSC 4312	Senior Project II	3
ENSC 4315	Internship/Professional Experience	3
ELEN 3325	Electric and Magnetic Fields	3
ELEN 3360	Electrical Circuits II	3
ELEN 3361	Linear Systems	3
ELEN 3363	Electronic Circuits	3
ELEN 3364	Electronic Circuits II	3
ELEN 3342	Digital Signal Processing	3
ELEN 4341	Embedded Systems	3
ELEN 3374	Automatic Control Systems	3
ELEN 2342	Introduction to Digital Design	3
ELEN 4374	OT Networks	3
CYEN 4374	OT Network Security	3
TOTAL HOURS IN MAJOR		53
TOTAL HOURS IN DEGREE		129

OTHER GRADUATION REQUIREMENTS:

- Community Life and Worship (CLW) points: 80 credits required for graduation (at least 50 points must be CLW-A earned through worship events, up to 30 points may be CLW-B earned through community life events).
- FYS 1300 Freshman Year Seminar is required for all students enrolling at HCU with fewer than thirty (30) completed semester hours. College credit earned prior to high school graduation does not count toward the 30-hour requirement. Students enrolled in 100% online degree programs will take a three-hour course, ONLN 1300 Introduction to Online Learning, in place of FYS 1300.

BY SIGNING BELOW, YOU ACKNOWLEDGE THAT YOU HAVE READ AND AGREE TO ABIDE BY ALL REQUIREMENTS ON THE DEGREE PLAN. THIS DEGREE PLAN IS NOT VALID UNTIL RECEIVED & PROCESSED BY THE OFFICE OF ACADEMIC RECORDS.

STUDENT SIGNATURE _____ DATE _____

DEAN OF COLLEGE _____ DATE _____

ACADEMIC ADVISOR _____ DATE _____

Office of Academic Records Use Only
 Processed by: _____ Date: _____