



**HOUSTON CHRISTIAN UNIVERSITY DEGREE PLAN**  
**BACHELOR OF SCIENCE (BS) IN ENGINEERING SCIENCE**  
**CATALOG YEAR: 2025-2026**

NAME: \_\_\_\_\_ H#: \_\_\_\_\_ DATE: \_\_\_\_\_

Candidates for a single major undergraduate baccalaureate degree must complete a total of at least 125 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 125-credit hour requirement.
- Complete the Liberal Arts 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.

**LIBERAL ARTS CORE REQUIREMENTS: \*Course must be completed with a "C" or higher**

COURSES	HOURS	COURSES	HOURS
*ENGL 1313 Composition and Literature I	3	*MATH 1451 Calculus I	4
*ENGL 1323 Composition and Literature II	3	CHEM 2315/2115 General Chemistry I with Laboratory	4
ENGL 2315 or 2325 Great Works of Literature I or II	3	GOVT 2313 American & Texas Government	3
PSYC 1313 General Psychology	3	HIST 2311 Western Civilization I	3
PHIL 1313 Introduction to Philosophy	3	Additional History (Choose 1): HIST 2312, HIST 2313, HIST 2323	3
CHRI 1301 Introduction to the Bible	3	ART 2343 Art Appreciation or MUSI 1331 Music Appreciation	3
CHRI 2373 Christian Theology & Tradition	3	COMM 1323 Rhetoric & Public Speaking	3
		<b>TOTAL HOURS IN LIBERAL ARTS CORE</b>	<b>44</b>

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

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

COURSE #	COURSE NAME	HOURS
BIOL 2354	General Biology I	3
BIOL 2154	General Biology I Laboratory	1
BIOL 2355	General Biology II	3
BIOL 2155	General Biology II Laboratory	1
BIOL 3301	Cellular and Molecular Biology	3
BIOL 3101	Cellular and Molecular Biology Laboratory	1
	Biology Elective (3000 or 4000-level)	4
CHEM 2315	General Chemistry I	LACC
CHEM 2115	General Chemistry I Laboratory	LACC
CHEM 2316	General Chemistry II	3
CHEM 2116	General Chemistry II Laboratory	1
CHEM 3313	Organic Chemistry I	3
CHEM 3131	Organic Chemistry I Laboratory	1
CHEM 3333	Organic Chemistry II	3
CHEM 3132	Organic Chemistry II Laboratory	1
CHEM 4373	Biochemistry	3
COSC 1351	Introduction to Computer Programming	3
ENSC 1411	Engineering and Cyber Projects I	4
ENSC 1412	Engineering and Cyber Projects II	4
ENSC 2361	Electrical Engineering and Circuits	3
ELEN 2342	Introduction to Digital Design	3
ELEN 3342	Digital Signal Processing	3
ELEN 3360	Electrical Circuits II	3
ELEN 3361	Linear Systems	3
ELEN 3363	Electronic Circuits I	3
ELEN 3364	Electronic Circuits II	3
MATH 1451	Calculus I	LACC
MATH 1452	Calculus II	4
MATH 3333	Ordinary Differential Equations	3
MATH 3314	Probability and Statistics	3
PHYS 2413	Principles of Physics I	4
PHYS 2423	Principles of Physics II	4
	<b>TOTAL HOURS IN MAJOR</b>	<b>81</b>
	<b>TOTAL HOURS IN DEGREE</b>	<b>125</b>

**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 \_\_\_\_\_

ACADEMIC ADVISOR \_\_\_\_\_

DATE \_\_\_\_\_

Office of Academic Records Use Only    Processed by: \_\_\_\_\_    Date: \_\_\_\_\_

(BS ENGINEERING SCIENCE – REVISED 4/22/25 – EFFECTIVE FALL 2025)