HOUSTON BAPTIST UNIVERSITY DEGREE PROGRAM PLAN
BACHELOR OF SCIENCE (BS)
PHYSICS MAJOR

NAME: _____ H# _____ DATE: _____

CATALOG YEAR: **2019/2020**

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 / 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 125 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 32 hours or 25% of the required hours, whichever is greater, of residency at HBU 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 HBU included in the MINOR w/grade of C or higher in all courses.

Once admitted and enrolled at HBU, each student MUST:

Receive prior approval for any courses taken at another college (once an undergraduate student has enrolled at HBU, no more than 18 semester hours total will be accepted for transfer credit.)

- File a degree plan with the Registrar's Office before 64 credit hours have been completed.
- File a graduation application at least one (1) semester before 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 1451 Calculus I	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
CHEM 2415 General Chemistry I	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 Baptist 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
	PROGRAM REQUIREMENTS:	
CHEM 2415	General Chemistry I	LACC
CHEM 2416	General Chemistry II	4
MATH 1451	Calculus I	LACC
MATH 1452	Calculus II	4
MATH 2451	Calculus III	4
MATH 2323 **(OR)** MATH 3333	Linear Algebra **(OR)** Ordinary Differential Equations	3

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

COURSE NO.	*COURSE NAME*	*HOURS*
PHYS 1411	Astronomy and the Universe	4
PHYS 2343	Introductory Theoretical Physics	3
PHYS 2413	Principles of Physics I	4
PHYS 2423	Principles of Physics II	4
PHYS 3313	Mechanics	3
PHYS 3323	Electricity and Magnetism	3
PHYS 3413	Modern Physics I	4
PHYS 3433	The Art of Electronics (OR) PHYS 3443 Computational Physics	4
PHYS 4221	Undergraduate Research Experience in Physics I	2
PHYS 4222	Undergraduate Research Experience in Physics II	2
PHYS 4323	Thermodynamics and Statistical Mechanics	3
PHYS 4343	Introduction to Quantum Mechanics I	3
ELECTIVES	3 hours from PHYS 3000 – PHYS 4000 courses	3
	Total Hours in Major	**57**
	Elective Hours Required	**24**
	TOTAL HOURS IN DEGREE	**125**

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 HBU Registrar.

FYS 1300 (freshmen only) – Required for all students entering with less than 32 completed semester hours credit.
100% online students will take a three hour course, **ONLN 1300** Introduction to Online Learning, in place of FYS 1300.

APPROVED BY:

_____ _____
FACULTY 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 THE REGISTRAR PROCESSED BY _____ DATE _____

Official Degree Plan