

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

CATALOG YEAR: 2018/2019

HBU.edu/catalog

**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			
<b>TOTAL HOURS IN LIBERAL ARTS CORE</b>					<b>44</b>

Students transferring to Houston Baptist University with 45 hours or more of transferable college credit are only required to take CHRI 1314, Introduction to the Christian Faith, to meet their Liberal Arts Core Curriculum Christianity requirements.

COURSE NO.	COURSE NAME	HOURS
<b>PROGRAM REQUIREMENTS:</b>		
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)	Linear Algebra (OR)	3
MATH 3333	Ordinary Differential Equations	

**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
<b>Total Hours in Major</b>		<b>57</b>
<b>Elective Hours Required</b>		<b>24</b>
<b>TOTAL HOURS IN DEGREE</b>		<b>125</b>

^ Students may obtain the official degree plan from their academic advisor.