

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

CATALOG YEAR: 2018/2019

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**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
PHYS 2413 Principles of Physics 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 1314, Introduction to the Christian Faith, to meet their Liberal Arts Core Curriculum Christianity requirements.

COURSE NO.	COURSE NAME	HOURS
<b>PROGRAM REQUIREMENTS:</b>		
PHYS 2413	Principles of Physics I	LACC
PHYS 2423	Principles of Physics II	4
MATH 1451	Calculus I	LACC
MATH 1452	Calculus II	4

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

COURSE NO.	COURSE NAME	HOURS
CHEM 2415	General Chemistry I	4
CHEM 2416	General Chemistry II	4
CHEM 2423	Quantitative Analysis	4
CHEM 3131	Organic Chemistry I Laboratory	1
CHEM 3132	Organic Chemistry II Lab	1
CHEM 3313	Organic Chemistry I	3
CHEM 3333	Organic Chemistry II	3
CHEM 3351	Inorganic Chemistry	3
CHEM 3443	Modern Analytical Techniques	4
CHEM 4373	Biochemistry	3
CHEM 4414	Introductory Physical Chemistry	4
	<b>Choose between the following:</b>	1
	CHEM 3151 Inorganic Chemistry Laboratory OR	
	CHEM 4171 Biochemistry Laboratory	
	<b>In-depth Courses - Choose 2 from the following (6 hrs):</b>	6
	CHEM 4324 Physical Chemistry II	
	CHEM 4351 Advanced Inorganic Chemistry	
	CHEM 4361 Advanced Organic Chemistry	
	CHEM 4374 Biochemistry II	
	CHEM 4381 Special Topics in Chemistry	
	<b>Professional Development (2 hrs required)</b>	
CHEM 4190	The Professional Chemist	1
CHEM 4191	Senior Research Project	1
	<b>Electives: To Total Required 125 hrs.</b>	
	<b>Total Hours in Major</b>	<b>51</b>
	<b>Elective Hours Required</b>	<b>30</b>
	<b>TOTAL HOURS IN DEGREE</b>	<b>125</b>

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