

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

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

COURSE NO.	COURSE NAME	HOURS
MATH 1451	Calculus I	LACC
MATH 1452	Calculus II	4
MATH 2201	Foundations of Higher Math	2
MATH 2323	Linear Algebra	3
MATH 2451	Calculus III	4
MATH 3333	Ordinary Differential Equations	3
MATH 3353	Introduction to Abstract Algebra	3
MATH 3364	Mathematical Computing	3
MATH 3371	Introduction to Complex Variables	3
MATH 3404	Probability and Statistics with Computer Applications	4
MATH 4301	Real Variables I	3
MATH 4311	Topology I	3
	<b>One of the following courses:</b>	3
MATH 4302	Real Variables II	
MATH 4312	Topology II	
MATH 4353	Advanced Abstract Algebra	
MATH 4372	Advanced Complex Variables	
	Also required: At least 6 hours at the 3000 or 4000 level chosen from the previous section or from the following courses: MATH 3311, 3331, 3334, 3383, 4310, 4332, 4341, 4380, 4381, 4303	6
	<b>Total Hours in Major</b>	<b>44</b>
	<b>Elective Hours Required</b>	<b>33</b>
	<b>TOTAL HOURS IN DEGREE</b>	<b>125</b>

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