

# Bachelor's Degree Requirements in Mathematics

Effective *Fall 2010- teachHouston*

Objective	Bachelor of Science	Bachelor of Arts
<b>Math Courses</b>	1431, 1432, 2331, 2433, 3311, 3330, 3331, 3333, <b>3334 or 3335 or 3364</b> , 3379, 4389, 6hrs of a 4000 level senior sequence, (1) 3hr 4000 level elective.	1431, 1432, 2331, 2433, 3311, 3330, 3331, 3333, <b>3334 or 3335 or 3364</b> , 3379, 4389, 6hrs of a 4000 level senior sequence, (1) 3hr 4000 level elective.
45 total Math hrs. 30 @ (adv.) hrs. <i>effective Fall 2010</i>		
<b>Natural Science</b>	<b>Biol/Chem/Phys 4340</b> , plus 11 additional hours of approved Natural Science coursework, <b>to include 2 labs in one discipline.</b>	<b>Biol/Chem/Phys 4340</b> , plus 4 additional hours of approved Natural Science coursework, with one lab, <b>all in the same discipline.</b>
B.S. Total hrs: 14 B.A. Total hrs: 7		
<b>Foreign Language</b>	<b>NONE REQUIRED</b>	6 hours of a Foreign Language at the <b>2000 level.</b>
6 hours = B.A. only.		
<b>Social Science- 3hrs</b>	3 hours of Social Science <b>Core Approved</b> credit.	3 hours of Social Science <b>Core Approved</b> credit.
	3 hours of <i>Writing in the Disciplines</i> <b>Core Approved</b> credit.	3 hours of <i>Writing in the Disciplines</i> <b>Core Approved</b> credit.
<b>Writing in the Disciplines-3hrs</b>		
<b>Humanities</b>	3 hours of Core Approved credit.	3 hours of Core Approved credit.
<b>V.P.A- 3 hours</b>	3 hours of Core Approved credit of Visual Performing Arts.	3 hours of Core Approved credit of Visual Performing Arts.
<b>English- 6 hours</b>	English 1303 & 1304	English 1303 & 1304
<b>History- 6 hours</b>	HIST 1376 or 1377 & HIST 1378 or 1379	HIST 1376 or 1377 & HIST 1378 or 1379
<b>Political Science</b>	POLS 1336 (2333) & POLS 1337 (2334)	POLS 1336 (2333) & POLS 1337 (2334)
<b>NSM Capstone:</b> <i>teachHouston:</i> 20hrs For more information on the Teach Houston Program, visit: <a href="http://teachhouston.uh.edu">http://teachhouston.uh.edu</a>	<b>CUIN 1101 (Step 1), CUIN 1102 (Step 2)</b> <b>CUIN 3350</b> (Knowing & Learning), <b>CUIN 3351</b> (Classroom Interactions), <b>CUIN 3352</b> (Perspectives) <b>CUIN 4350</b> (Multiple Teaching Strategies) <b>EDUC 4314</b> (Student teaching Seminar) <b>EDUC 4315</b> (Student teaching)	<b>CUIN 1101 (Step 1), CUIN 1102 (Step 2)</b> <b>CUIN 3350</b> (Knowing & Learning), <b>CUIN 3351</b> (Classroom Interactions), <b>CUIN 3352</b> (Perspectives) <b>CUIN 4350</b> (Multiple Teaching Strategies) <b>EDUC 4314</b> (Student teaching Seminar) <b>EDUC 4315</b> (Student teaching)
<b>General Electives</b>	# of General Elective hrs needed are based on total # of hours completed.	# of General Elective hrs needed are based on total # of hours completed.

\*122 total hours are required for a Bachelor's Degree to include 36 advanced hours (**Effective Fall '07-Summer'08**)

\*120 total hours are required for a Bachelor's Degree to include 36 advanced hours. (**Effective Fall '08**)

\* Students changing their major to Math as of Fall 1999 must complete all new degree requirements and have a Math and overall G.P.A of at least 2.0. **No more than 6 hrs in major below "C-".**

\* Students requiring a degree plan must apply through a degree plan request.

# University of Houston- Department of Mathematics

## NO CREDIT COURSES- MATH MAJORS

The following courses may not be applied to major or minor requirements in Mathematics.

Elective credit for Math courses may be allowed only if taken before Math 2433 is completed.

*Catalog course descriptions specifically prohibit credit in the College of Natural Sciences & Mathematics for certain courses.*

***See the Undergraduate Catalog for more information.***

<b>Math</b>	1300	Fundamentals of Mathematics
	1310	College Algebra
	1311	Elementary Mathematical Modeling
	1312	Introduction to Mathematics
	1313	Finite Mathematics with Applications
	1314	Elements of Calculus w/Applications
	2303	Elements of Mathematics
	2311	Introduction to Probability and Stats
	3303	Elements of Algebra and Number Theory
	3304	Elements of Mathematical Analysis
	3305	Formal and Informal Geometry
	3306	Problem Solving in Mathematics
	3307	Statistical Applications
	3310	History of Mathematics
	<b>Biology</b>	1110
1120		General Biology Laboratory
1134		Human Anatomy & Physiology Laboratory I
1144		Human Anatomy & Physiology Laboratory II
1153		Pre-nursing Microbiology Laboratory
1309		Human Genetics and Society
1310		General Biology
1320		General Biology
1334		Human Anatomy and Physiology
1344		Human Anatomy and Physiology
1353		Pre-nursing Microbiology
<b>Chem</b>	1101	Foundations of Chemistry Laboratory
	1102	General Organic Chemistry Laboratory
	1301	Foundations of Chemistry
	1302	General Organic Chemistry
<b>Geol</b>	1302	Introduction to Global Climate Change
	1350	Introduction to Meteorology
<b>Nutr</b>	2332	Introduction to Human Nutrition
<b>Phar</b>	2362	Principles of Drug Action