Bachelor's Degree Requirements in Mathematics

New Core- Fall 1999- **w/Teaching Certification**

Objective	Bachelor of Science	Bachelor of Arts
Math Courses 42 total Math hrs. 27 @ (adv.) hrs.	1431, 1432, 2331, 2433, 3330, 3331, 3333, & (***3334 or 3335 or 3364)*** *3338,*3379; 4383 & 6 hrs of a 4000 level Senior Sequence.	1431, 1432, 2331, 2433, 3330, 3331, 3333, & (***3334 or 3335 or 3364)*** *3338,*3379; 4383 & 6 hrs of a 4000 level Senior Sequence.
Natural Science 14 hours = B.S. 7 hours = B.A.	14 hrs of Natural Science Core Apprv. for Natural Science Majors, to include **2 labs in one discipline**.	7 hrs Natural Science Core Apprv. for Natural Science Majors, to include 1 lab (**all in the same discipline**).
Computer Science 7 hours = B.S. only	COSC 1410 plus COSC 1320 or 2410 or an approved substitute.	**NONE REQUIRED**
Foreign Language 6 hours = B.A. only.	**NONE REQUIRED**	6 hours of a Foreign Language at the **2000 level**.
Social Science- 6hrs (3 must be **WI**)	6 hours of Core Approved credit. **(which 3 hrs must be writing intensive)**	6 hours of Core Approved credit. **(which 3 hrs must be writing intensive)**
Humanities	3 hours of Core Approved credit.	3 hours of Core Approved credit.
V.P.A- 3 hours	3 hours of Core Approved credit. of Visual Performing Arts.	3 hours of Core Approved credit of Visual Performing Arts.
English- 6 hours	English 1303 & 1304	English 1303 & 1304
History- 6 hours	HIST 1376 or 1377 & HIST 1378 or 1379	HIST 1376 or 1377 & HIST 1378 or 1379
Political Science	POLS 1336 (2333) & POLS 1337 (2334)	POLS 1336 (2333) & POLS 1337 (2334)
NSM Capstone: **Education:** 27hrs Comp. & Speech Proficiency & Education courses. (*Teaching certification*)	**Computer & Speech Proficiency**: (Comm 1332, Cuin 3313, Cuin 3347) **Education**: Educ 3301; Epsy 3300, Sede 4310 & ***Sede 4306 or Educ 4303***, Educ 4314;4315	**Computer & Speech Proficiency**: (Comm 1332, Cuin 3313, Cuin 3347) **Education**: Educ 3301; Epsy 3300, Sede 4310 & ***Sede 4306 or Educ 4303***, Educ 4314;4315
General Electives	# 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.

* 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

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.

Math	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
Biology	1110	General Biology Laboratory
	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
Chem	1101	Foundations of Chemistry Laboratory
	1102	General Organic Chemistry Laboratory
	1301	Foundations of Chemistry
	1302	General Organic Chemistry
Geol	*1302*	Introduction to Global Climate Change
	1350	Introduction to Meteorology
Nutr	*2332*	Introduction to Human Nutrition
Phar	*2362*	Principles of Drug Action