

UC 11799 12F
(Revised 9/20/12)

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NEW UH REQUIREMENTS FOR CHANGE OF MAJOR.

Expected Background of Entering Freshmen

It is expected that, in addition to the minimum requirements for admission to the university's undergraduate programs, each freshman entering the college will have completed in high school the following courses of study:

Subject	Units
Biology, chemistry, or physics	2 or more
Mathematics	
Algebra	2
Geometry	1
Trigonometry	1/2
Elementary Analysis or Analytical Geometry	1/2
English	4

Students who wish to enter the college without this background are advised to enroll as natural sciences and mathematics unspecified majors and obtain academic advising from the Office of the Dean.

Students seeking a change of major into or within the College of Natural Sciences and Mathematics must have established a minimum cumulative UH grade point average of at least 2.00 as well as a minimum cumulative grade point average of at least 2.00 based on all math and science courses taken at UH. Students seeking majors in the departments of Biology & Biochemistry, Chemistry, Computer Science, Earth & Atmospheric Sciences, and Physics must have completed a minimum of 3 semester hours of mathematics (MATH 1330 or equivalent or higher) and 3 semester hours of science applicable to the degree being sought. Students seeking majors in the department of Mathematics must have completed a minimum of six semester

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hours in mathematics (MATH 1330 or equivalent or higher). Some departments may have additional requirements and students should refer to the department section of this catalog for further information.

Change of major requirements

Students currently enrolled at UH and seeking a change of major into or within the College of Natural Sciences and Mathematics must have:

1. Established a minimum cumulative UH grade point average of at least 2.50.

A mathematics and science gpa of at least 2.50 based on all math and science courses taken at UH that are applicable to NSM degrees (Excluded courses listed below). Students seeking majors in the departments of Biology & Biochemistry, Chemistry, Earth & Atmospheric Sciences, and Physics must have completed a minimum of 3 semester hours of mathematics (MATH 1330 or equivalent or higher) and 3 semester hours of science. Students seeking majors in the departments of Computer Science and Mathematics must have completed a minimum of six semester hours in mathematics (MATH 1330 or equivalent or higher).

A. Courses that are excluded from all NSM major and minor course requirements and major and minor GPA requirements

BIOL 1134	Human Anatomy & Physiology Lab I
BIOL 1144	Human Anatomy & Physiology Lab II
BIOL 1153	Pre-Nursing Microbiology Lab
BIOL 1309	Human Genetics and Society
BIOL 1310	General Biology I
BIOL 1320	General Biology II
BIOL 1334	Human Anatomy & Physiology I
BIOL 1334	Human Anatomy & Physiology II
BIOL 1353	Pre-Nursing Microbiology
CHEM 1101	Foundations of Chemistry Lab
CHEM 1102	General Organic Chemistry Lab
CHEM 1117	Fundamentals of Chemistry for Engineers Lab
CHEM 1301	Foundations of Chemistry
CHEM 1302	General Organic Chemistry
CHEM 1372	Fundamentals of Chemistry for Engineers
MATH 1300	Fundamentals of Mathematics

- MATH 1311 Elementary Mathematical Modeling
- MATH 1312 Introduction to Mathematical Reasoning
- MATH 1313 Finite Mathematics with Applications
- MATH 1314 Calculus for Business and the Life Sciences
- MATH 2303 Concepts in Algebra
- MATH 2311 Introduction to Probability and Statistics
- MATH 3303 Elements of Algebra and Number Theory
- MATH 3304 Elements of Mathematical Analysis
- MATH 3305 Formal and Informal Geometry
- MATH 3306 Problem Solving in Mathematics
- MATH 3307 Statistical Applications
- MATH 3310 History of Mathematics
- PHYS 1100 Physics Problem Solving Techniques
- PHYS 1305 Introduction Astronomy – The Solar System
- PHYS 1306 Introduction Astronomy – Stellar and Galactic System
- PHYS 2340 Science of Sound
- PHYS 5311 Physics for High School Teachers I
- PHYS 5312 Physics for High School Teachers II
- PHYS 5397 Selected Topics in Physics for High School Teachers

B. Courses that are excluded from specific major and minor course requirements and major and minor GPA requirements

CHEMISTRY

- CHEM 1131 Problem Solving in Chemistry I
- CHEM 1132 Problem Solving in Chemistry II
- CHEM 3131 Problem Solving in Organic Chemistry I
- CHEM 3132 Problem Solving in Organic Chemistry II

PHYS 1101 General Physics Lab I
PHYS 1102 General Physics Lab II
PHYS 1301 Introduction to General Physics I
PHYS 1302 Introduction to General Physics II

COMPUTER SCIENCE

COSC 1300 Introduction to Computing
COSC 1306 Computer Science and Programming

GEOPHYSICS and GEOLOGY

PHYS 1101 General Physics Lab I
PHYS 1102 General Physics Lab II
PHYS 1301 Introduction to General Physics I
PHYS 1302 Introduction to General Physics II

MATHEMATICS

MATH 2303 Concepts of Algebra
MATH 2311 Introduction to Probability and Statistics

PHYSICS

PHYS 1101 General Physics Lab I
PHYS 1102 General Physics Lab II
PHYS 1301 Introduction to General Physics I
PHYS 1302 Introduction to General Physics II
PHYS 1305 Introduction Astronomy – The Solar System
PHYS 1306 Introduction Astronomy – Stellar and Galactic System