Bachelor of Sciences (BS)- Mathematics

Lone Star College Core Courses (42 hours)  
(010) Communications (6 hours)  
ENGL 1301 and one from below  
Choose 1: SPCH 1311, 1315, 1318,  
(020) Mathematics (3 hours)  
MATH 2413  
(030) Life and Physical Sciences (8 hours)  
Choose two sciences  
from approved core curriculum  
(040) Language, Philosophy and Culture (3 hours)  
Choose one course  
from approved core curriculum  
(050) Creative Arts (3 hours)  
Choose one course  
from approved core curriculum  
(060) American History (6 hours; choose 2)  
HIST 1301  
HIST 1302  
HIST 2301  
(070) Government and Political Science (6 hours)  
GOVT 2305  
GOVT 2306  
(080) Social & Behavioral Sciences (Choose 1 course)  
ANTH 2301  
ANTH 2351  
ECON 2301  
ECON 2302  
PSYC 2301  
SOC 1301  
(090) Component Area (4 hours)  
ENGL 1302  
PHED 1164  

University of Houston – Downtown  
This program is based on the 2014-2015 UHD Catalog and serves to recommend courses to fulfill major requirements at UHD.

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Note: UHD will accept all Texas approved core courses.  
Students should refer to specific programs to identify courses that fulfill program requirements at UHD.

* These courses can be taken in the core, while also counting toward the major requirements.

+ These courses are apart of the Field of Study (FoS) for Computer Science.

College of Science and Technology Information  
• The Mathematics degree program at the University of Houston-Downtown offers students a broad overview of modern mathematics and its applications, while also emphasizing the power, depth, and beauty inherent in the subject. The mathematical component of this plan is designed to prepare students to develop and use analytical and problem-solving skills, to master mathematical techniques required in related fields of application, and to enter the employment market with relevant and proficient mathematical tools.

• No grade of “D” will be accepted for any course.

• Follow link below for more information:
  • [http://www.uhd.edu/academic/colleges/sciences/ms/degree-plan_BS_Mathematics.html](http://www.uhd.edu/academic/colleges/sciences/ms/degree-plan_BS_Mathematics.html)

Computer Science Requirement  
UHD Course Number (LSC)  
+ CS 1410 (COSC 1436)  
Intro. Computer Science C++

Mathematics Requirements  
UHD Course Number (LSC)  
* MATH 2401 (MATH 2413)  
Calculus I  
* MATH 2402 (MATH 2414)  
Calculus II  
* MATH 2403 (MATH 2415)  
Calculus III  
MATH 2405  
Discrete mathematics  
* MATH 2407 (MATH 2318)  
Linear Algebra