

**Biological and Physical Sciences  
Bachelor of Science  
University of Houston-Downtown**

<u>UHD Course #</u>	<u>UHD Course Title</u>	<u>NHMCCD Course #</u>
<i>Communication Skills (9 hrs)</i>		
ENG 1301	Composition I	ENGL 1301
ENG 1302	Composition II	ENGL 1302
SPCH 1304	Introduction to Speech Communication	SPCH 1311 or SPCH 1315
or SPCH 3306	Business & Professional Speech Communication	SPCH 1321

<i>Mathematical Skills (4 hrs)</i>		
MATH 1404	Pre-calculus	MATH 2412

*Natural Sciences ( 22-26 hrs)* (only 16 hrs required for AS degree from NHMCCD) Select six from the following:

BIOL 1301/1101	Biology I/Lab	BIOL 1406
BIOL 1302/1102	Biology II/Lab	BIOL 1407
CHEM 1307/1107	General Chemistry I/Lab	CHEM 1411
CHEM 1308/1108	General Chemistry II/Lab	CHEM 1412
GEOL 1305/1105	Physical Geology/Lab	GEOL 1403
GEOL 1306/1106	Historical Geology/Lab	GEOL 1404
PHYS 1307/1107	General Physics I/Lab	PHYS 1401
PHYS 1308/1108	General Physics II/Lab	PHYS 1402

*Behavior Science (3 hrs)*

SOCI 1303	Principles of Sociology	SOCI 1301
or PSY 1303	General Psychology	PSYC 2301
or GEOG 1302	World Geography	GEOG 1303
or CJ 1301	Crime, Law and Society	CRIJ 1301

<u>UHD Course #</u>	<u>UHD Course Title</u>	<u>NHMCCD Course #</u>
<i>Humanities and Visual &amp; Performing Arts (6 hrs)</i>		
<i>Literary Arts (3 hrs)</i>		
ENG 2301	Literature of the Western World - Ancient to Renaissance	ENGL 2332
or ENG 2302	Literature of the Western World - Neo-Classic to Modern	ENGL 2333
or ENG 2311	American Lit. to 1865	ENGL 2327
or ENG 2312	American Lit. from 1865	ENGL 2328
or ENG 2313	British Lit. to 1800	ENGL 2322
or ENG 2314	British Lit. from 1800	ENGL 2323

<i>Visual &amp; Performing Arts (3 hrs)</i>		
ART 1301	HISTORY OF ART I	ARTS 1303
or ART 1302	History of Art II	ARTS 1304
or ART 1310	Art Appreciation	ARTS 1301
or DRA 1301	Introduction to Theater	DRAM 1310
or MUS 2301	Music Appreciation to 1750	MUSI 1308
or MUS 2302	Music Appreciation from 1750	MUSI 1309

*History (6 hrs)* Select two from the following:

HIST 1305	US History to 1877	HIST 1301
HIST 1306	US History after 1877	HIST 1302
HIST 2303	Texas History	HIST 2301

*Political Science (6 hrs)*

POLS 2303	US Government I	GOVT 2301
POLS 2304	US Government II	GOVT 2302

*Physical Activity (1 hr)*

	Fitness for Life	KINE 1111
--	------------------	-----------

*Computer Literacy (4 hrs)*

CIS 1301	Intro to Computer Based Systems	ITSC/COSC 1401 *
or CIS 1410	Intro to CS with C++	COSC 1420

*Multicultural Requirement*

Refer to Associate of Science degree in NHMCCD catalog

\* UH-D requires COSC 1420 for the Biological and Physical Sciences degree program.

<u>UHD Course #</u>	<u>UHD Course Title</u>	<u>NHMCCD Course #</u>
-------------------------	-------------------------	----------------------------

*Upper level requirements (44 hrs)*

44 hours of Department Approved 3000-4000 level courses. At least 22 hours must be in the natural sciences, including 7-8 hours must be in the 4000-level science courses. Of this, 18 hours of science must be taken at UHD. All courses must have an average of 2.0 or better and no more than 3 credit hours in upper-level sciences with a grade of D.

*Electives (16 hrs)*

Electives must be approved by UHD faculty advisor or program coordinator. Lower-level electives from NHMCCD may be applied to this requirement as long as the total hours transferred from a junior or community college do not exceed 66 hours.

No more that 28 hours of natural science courses (not including the hours of science listed under the Lower-Level Science Requirement) of the 126 hours of course work in this degree plan may be in a single discipline, and no more than 18 hours of the required upper-level science may be in a single discipline. The Department of Natural Science has five disciplines: biology, chemistry, geology, microbiology and physics.

**Total hours required for degree: 126**

**Writing Proficiency Exam—UHD 9000**

This exam must be taken and passed during the third year at UHD.