

Biological and Physical Sciences

The Biological and Physical Sciences degree at the University of Houston requires a minimum of 130 semester hours.

Biological and Physical Sciences degree provides both a broad-based curriculum in the liberal arts and a specific set of courses in the Natural Sciences. This degree is especially appropriate for students interested in the following areas: dentistry or medicine; environmental science; life science; environmental, medical or patent law; earth/geological science; forensic science; medical technology; public health; and any health-related area, which requires a 4-year degree for entry into a particular graduate-level program.

The staff members in the Academic Student Services Office at the UC assist all students in determining which program of study to pursue. This includes providing information about the variety of programs available, reviewing transcripts to aid in identifying any courses to be completed before entering the program of choice, and serving as liaison between the student and university program representatives. Students who have already earned an associate's degree or have a substantial number of college academic credit hours should contact the Academic Student Services Office for advising and to begin the transfer admission process for the university offering the degree program they desire to pursue.

This brochure was created by the Academic Student Services Office based on information from the partner university.

For more information, please contact the Academic Student Services Office at the University Center:

281.618.7140 or 936.273.7510

E-mail: UC@LoneStar.edu

Internet: LoneStar.edu/UniversityCenter

3232 College Park Drive
The Woodlands, TX 77384

Biological and Physical Sciences

Bachelor of Science

UH-Downtown



Biological and Physical Sciences

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University of Houston-Downtown

<u>UHD Course #</u>	<u>UHD Course Title</u>	<u>LSCS Course #</u>
Core Requirements (31 hours)		
Communication Skills (9 hrs)		
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
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
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
Physical Activity (1 hr)		
	Fitness for Life	KINE 1111
Literature (3 hrs)		
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

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Visual & Performing Arts (3 hrs)		
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

Lower-Level Science Requirement (34-38hrs)

Computer Literacy (4 hrs)		
CIS 1301	Intro to Computer Based Systems	COSC 1401
or CIS 1410	Intro to CS with C++	COSC 1420

Mathematical Skills (4 hrs)		
MATH 1404	Pre-calculus	MATH 2412

Natural Sciences (26-30 hrs) (only 16 hrs required for AS degree from LSCS) Select seven 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

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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 LSCS 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 than 28 hours of natural science courses (not including the hours of science listed under the Lower-Level Science Requirement) of the 130 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 ***130**

(See LSCS catalog for more details on Associate's Degree)

*See UHD catalog for any changes.