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  
University of Houston-Downtown

Core Requirements (31 hours)

Communication Skills (9 hrs)
- ENG 1301 Composition I
- ENG 1302 Composition II
- SPCH 1304 Introduction to Speech
- or SPCH 3306 Business & Professional Speech Communication

History (6 hrs) Select two from the following:
- HIST 1305 US History to 1877
- HIST 1306 US History after 1877
- HIST 2303 Texas History

Political Science (6 hrs)
- POLS 2303 US Government I
- POLS 2304 US Government II

Behavior Science (3 hrs)
- SOCI 1303 Principles of Sociology
- or PSY 1303 General Psychology
- or GEOG 1302 World Geography
- or CJ 1301 Crime, Law and Society

Physical Activity (1 hr)
- Fitness for Life

Literature (3 hrs)
- ENG 2301 Literature of the Western World - Ancient to Renaissance
- or ENG 2302 Literature of the Western World - Neo-Classic to Modern
- or ENG 2311 American Lit. to 1865
- or ENG 2312 American Lit. from 1865
- or ENG 2313 British Lit. to 1800
- or ENG 2314 British Lit. from 1800

Visual & Performing Arts (3 hrs)
- ART 1301 History of Art I
- or ART 1302 History of Art II
- or ART 1310 Art Appreciation
- or DRA 1301 Introduction to Theater
- or MUS 2301 Music Appreciation to 1750
- or MUS 2302 Music Appreciation from 1750

Lower-Level Science Requirement (34-38hrs)

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

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

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 1302/1102 Biology II/Lab
- CHEM 1307/1107 General Chemistry I/Lab
- CHEM 1308/1108 General Chemistry II/Lab
- GEOL 1305/1105 Physical Geology/Lab
- GEOL 1306/1106 Historical Geology/Lab
- PHYS 1307/1107 General Physics I/Lab
- PHYS 1308/1108 General Physics II/Lab

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 UHD catalog for any changes.