## Transfer Guide

**WCJC & UHD**

**Bachelor of Science**

in Biological & Physical Sciences

2012-2013 Catalog

Students pursuing a Bachelor of Science degree in Biological & Physical Sciences at the University of Houston-Downtown are strongly encouraged to complete the Associate Degree before transferring to UHD. The degree provides a solid foundation through the traditional liberal arts education, and Associate Degree core curriculum courses taken at Wharton County Junior College will transfer to UHD. Studies indicate students who complete an Associate degree are more likely to successfully complete a Bachelor's degree.

### General Education Core (30 hours)

#### Common Core Requirements

<table>
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<tr>
<th>WCJC</th>
<th>UHD</th>
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<tbody>
<tr>
<td><strong>Written Communication (6 hours)</strong> 010</td>
<td><strong>Communications (9 hours)</strong> 010</td>
</tr>
<tr>
<td>ENGL 1301 Composition I</td>
<td>ENG 1301 Composition I</td>
</tr>
<tr>
<td>ENGL 1302 Composition I</td>
<td>ENG 1302 Composition II</td>
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| **Oral Communication (3 hours)** 011 | **Oral Communication (3 hours)** 011 |
| SPCH 1315 Public Speaking | COMM 1306 Beginning Public Speaking |

| **Mathematics (4 hours)** 020 | **Mathematics (4 hours)** 020 |
| See Basic Mathematics and Sciences List | See Basic Mathematics and Sciences List |

| **Natural Science (8 hours)** 030 | **Natural Science (8 hours)** 030 |
| Note: Eight hours of lab sciences for science majors in the same natural science* approved by the CMS department advisor. | Note: Eight hours of lab sciences for science majors in the same natural science* approved by the CMS department advisor. |
| BIOL, CHEM, GEOL, or PHYS | BIOL, CHEM, GEOL, or PHYS |

| **Humanities (3 hours)** 040 | **Humanities (3 hours)** 040 |
| For a complete list of all fully transferable WCJC Humanities core course options check the 2012-2013 Catalog. | Any literature class |
| NOTE: Students should consider taking a sophomore literature class to meet future prerequisites. | |

| **Visual and Performing Arts (3 hours)** 050 | **Visual & Performing Arts (3 hours)** 050 |
| Select 3 hours from one of the following: ARTS, DANCE, DRAM or MUSI | Select 3 hours from one of the following: ART, DRA or MUS |

| **American History (6 hours)** 060 | **US History (6 hours)** 060 |
| HIST 1301 U.S. History I | HIST 1305 United States History to 1877 |
| HIST 1302 U.S. History II | HIST 1306 United States History after 1877 |

| **Government (6 hours)** 070 | **Political Science (6 hours)** 070 |
| GOVT 2301 American, National and State Government: Constitutions, Federalism and Participation | POLS 2303 United States Government I |
| GOVT 2302 American, National and State Government: Institutions, Rights and Public Policies | POLS 2304 United States Government II |

| **Social/Behavioral Science (3 hours)** 080 | **Social/Behavioral Science (3 hours)** 080 |
| Select one of the following: ANTH 2351 Cultural Anthropology | Select one of the following: ANTH 2302 Cultural Anthropology |
| GEOG 1303 World Geography | GEOG 1302 World Geography |
| PSYC 2301 Introduction to General Psychology | PSY 1303 Introduction to Psychology |
| SOCI 1301 Introduction to Sociology | SOC 1303 Introduction to Sociology |

*Any course taken to complete this core component not
listed above will satisfy the requirement at UHD.
For a complete list of all the Social and Behavioral Science
core courses options check the WCJC 2011-2012 catalog.

Kinesiology (1 hour) 090
Check the WCJC 2012-2013 catalog for a complete
list of all kinesiology course options.

Computer Literacy (4 hours) 090
See List of Computer Science Courses

A transfer student who has successfully completed all of the common core requirements at WCJC or another
institution of higher education will satisfy all the UHD common core requirements. If not all of the common core
requirements have been completed prior to the transfer, each core course transferred will be credited and will
satisfy the corresponding common core requirements at UHD. Remaining UHD common core requirements must
be satisfied. All prerequisites for UHD courses must be met.

Courses not listed on this sheet that satisfy core curriculum components (see italicized number) satisfy the equivalent
component at the transferring institution or as free electives.

Lower-Level Science Requirements at WCJC
(Some of the following courses may be taken to fulfill the common core requirements)
MATH 2412 Precalculus (fulfills Core)*
COSC 1436 Programming Fundamentals I (fulfills Core)*
Select 7 of the following lecture/laboratory courses:
BIOL 1406 General Biology I *
BIOL 1407 General Biology II *
CHEM 1411 General Chemistry I
CHEM 1412 General Chemistry II
CHEM 1403/1103 Physical Geology*
CHEM 1304/1104 Historical Geology*
PHYS 1401 College Physics I *
PHYS 1402 College Physics II *
Note: Chemistry and Physics have math prerequisites

Lower-Level Science Requirements (36 hours)
MATH 1404 Precalculus Mathematics (fulfills Core)*
CS 1410 CS I-Introduction to Computer Science
with C++(fulfills Core)*
Select 7 of the following lecture/laboratory courses:
BIOI 1301/1101 General Biology w/Lab I *
BIOI 1302/1102 General Biology w/Lab II*
CHEM 1307/1107 General Chemistry w/Lab I *
CHEM 1308/1108 General Chemistry w/Lab II*
GEOL 1405 Physical Geology*
GEOL 1406 Historical Geology*
PHYS 1307/1107 General Physics I w/Lab*
PHYS 1308/1108 General Physics II w/Lab*

Upper-Level Requirements (44 hours)
Forty-four hours of which at least 22 hours must be in the natural sciences, (biology, chemistry, geology, microbiology
and physics) with a minimum grade point average in the natural sciences courses of 2.0 or better. At least 18 hours
must be taken at UHD. At least 7-8 hours must be in 4000-level natural sciences lecture courses with at least one
laboratory course. Field experience or thesis credit cannot be used to satisfy this requirement. No more than 3 hours in
upper-level sciences with a grade of D.

Electives
At least 10 hours, at any level, chosen with advisor approval (at least 18 hours of Emphasis in Teacher Certification)
NOTE: Excluding the hours listed under "Lower-Level Science Requirements," no more than 28 hours of natural
sciences courses (biology, chemistry, geology, microbiology and physics) may be in a single discipline, and no
more than 18 hours of the required upper-level sciences may be in a single discipline.

*course has prerequisites not listed on this worksheet

120 hours required

Courses taken at WCJC do not transfer as Upper Level credits.

Check with your advisor about how requirements from the Associate of Arts, the Associate of Science, and whether
requirements from the Associate of Applied Science may be applied.

ADDITIONAL REQUIREMENTS - May be satisfied by requirements above

● Two Upper Level Writing Courses (See Enhancement Courses list on NS website)
One course in Ethical and Moral Issues (See Enhancement Courses list on NS website), can be satisfied by several Upper-level Courses.

One World Community Course (See Enhancement Courses list on NS website), can be satisfied by several Lower-level Courses.

ENG 2301, 2302, 2313, or 2314 will satisfy both the Sophomore Lit and World Community requirements.

**ONE NONVERBAL ANALYTICAL SKILLS COURSE - Satisfied by degree requirements**

For a complete list of all Academic Requirements and criteria for the College of Sciences and Technology, Natural Sciences Department, located at 813-North, call 713-221-8015, or visit the UHD web site at www.uhd.edu/sciences/ns

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