



## Transfer Degree Map: LSC Associate of Science to University of Houston-Downtown Bachelor of Science in Chemistry



### 4 – Year Suggested Academic Plan for Transfer, Based on Catalog 2021-2022.

| First Year Freshman        |  |  |           |                           |  |                                      |           |
|----------------------------|--|--|-----------|---------------------------|--|--------------------------------------|-----------|
| Fall Semester              |  |  |           | Spring Semester           |  |                                      |           |
| LSC                        | UHD  | Course Name                                    | Hrs       | LSC                       | UHD  | Course Name                          | Hrs       |
| EDUC 1300 (1)              | Seminar  | Learning Frameworks: 1 <sup>st</sup> Year Exp. | 3         | ENGL 1302                 | (core 090)   | Composition & Rhetoric II            | 3         |
| ENGL 1301                  | ENG 1301   | Composition & Rhetoric I                       | 3         | History                   | (core 060)   | Choose from LSC Core Curriculum      | 3         |
| History Elective           | (core 060)   | Choose from LSC Core Curriculum                | 3         | MATH 2414                 | MATH 2402  | Calculus II                          | 4         |
| MATH 2413 (2)              | MATH 2401  | Calculus I                                     | 4         | BIOL 1407                 | BIOL 1302/1102   | Biology II for Science Majors        | 4         |
| BIOL 1406                  | BIOL 1301/1101   | Biology I for Science Majors                   | 4         | PHED 1164                 | (core 090)   | Intro to Physical Fitness & Wellness | 1         |
| <b>Total</b>               |  |  | <b>17</b> | <b>Total</b>              |  |                                      | <b>15</b> |
| Summer Session             |  |  |           |                           |  |                                      |           |
| SPCH                       | (Core 090)   | Choose from LSC Core Curriculum                | 3         | Creative Arts             | (core 050)   | Choose from LSC Core Curriculum      | 3         |
| <b>Total</b>               |  |  | <b>3</b>  | <b>Total</b>              |  |                                      | <b>3</b>  |
| Second Year Sophomore      |  |  |           |                           |  |                                      |           |
| Fall Semester              |  |  |           | Spring Semester           |  |                                      |           |
| LSC                        | UHD  | Course Name                                    | Hrs       | LSC                       | UHD  | Course Name                          | Hrs       |
| Social/Behavioral Sciences | (core 080)   | Choose from LSC Core Curriculum                | 3         | Language, Phil. & Culture | (core 040)   | Choose from LSC Core Curriculum      | 3         |
| PHYS 1401                  | PHYS 1307/1107   | College Physics I                              | 4         | PHYS 1402                 | PHYS 1308/1108   | College Physics II                   | 4         |
| GOVT 2305                  | POLS 2305  | Federal Government                             | 3         | GOVT 2306                 | POLS 2306  | Texas Government                     | 3         |
| CHEM 1411                  | CHEM 1307/1107   | General Chemistry I                            | 4         | CHEM 1412                 | CHEM 1308/1108   | General Chemistry II                 | 4         |
| <b>Total</b>               |  |  | <b>14</b> | <b>Total</b>              |  |                                      | <b>14</b> |
| Summer Session @UHD        |  |  |           |                           |  |                                      |           |
| CHEM 2301/2101             | Organic Chemistry I w/Lab  |  | 4         |                           |  |                                      |           |
| <b>Total</b>               |  |  | <b>4</b>  | <b>Total</b>              |  |                                      | <b>4</b>  |
| Third Year Junior          |  |  |           |                           |  |                                      |           |
| Fall Semester              |  |  |           | Spring Semester           |  |                                      |           |
| UHD                        | Course Name  |  | Hrs       | UHD                       | Course Name  |                                      | Hrs       |
| CHEM 3330/3130             | Physical Chemistry I w/ Lab  |  | 4         | CHEM 3332/3132            | Physical Chemistry II w/ Lab   |                                      | 4         |
| MATH 2403                  | Calculus III   |  | 4         | CHEM 4340/4140            | Biochemistry I w. Lab  |                                      | 4         |
| CHEM 2302/2102             | Organic Chemistry II w/ Lab  |  | 4         | CHEM 3300                 | Undergraduate Research – approval by NS dept., min. GPA of 2.0, and permission of instructor required. |                                      | 3         |
| <b>Total</b>               |  |  | <b>12</b> | <b>Total</b>              |  |                                      | <b>11</b> |
| Fourth Year Senior         |  |  |           |                           |  |                                      |           |
| Fall Semester              |  |  |           | Spring Semester           |  |                                      |           |
| CHEM 4362/4162             | Advanced Inorganic Chem. w/ Lab                                    |  | 4         | CHEM 4410                 | Instrumental Methods of Analysis   |                                      | 4         |
| CHEM 3310/3110             | Quantitative Analysis w/ Lab                                       |  | 4         | CHEM 4364/4164            | Polymer Chemistry  |                                      | 4         |
| CS or STAT                 | Choose one of the following options: CS 1408, CS 1410 or STAT 3311 |  | 3-4       | CHEM 3320                 | Environmental Chemistry  |                                      | 3         |
| TCOM (writing)             | TCOM 3302, 3325, 3326, 3329, or 4306                               |  | 3         | Elective                  | Free elective (if needed)  |                                      | 2         |
| <b>Total</b>               |  |  | <b>14</b> | <b>Total</b>              |  |                                      | <b>13</b> |

**Notes/Comments:**

- (1) EDUC 1300 is required for First Time in College (FTIC) students only. If not FTIC, students should consider prereq's for Calculus I (see note 2).
- (2) Students may be placed in MATH 2413 through placement testing OR by completing all MATH prerequisites (MATH 1314, 1316, and 2412). Student should consult with advisor regarding placement testing.

## Articulation Agreement Information – Standard and Program to Program (P2P)

### Transfer of Credit & Student Benefits

- Credits from LSC that are transferrable to UHD degree programs may be specified in any program-to-program articulation agreement.
- Reverse transfer
- LSC students will be allowed access to academic advising services at UHD
- LSC Honors students admitted to UHD will receive:
  - Acceptance to UHD Honors Program with a minimum GPA (GPA varies by the College in which the program resides)
  - UHD will accept a minimum of 12 hours of transfer Honors credit; eligible for merit and need-based aid commensurate with qualifications

### Optional Partnership

- [Joint Admission](#) provides students the opportunity to maximize utilization of facilities and programs offered jointly by LSC and UHD:
  - Student ID at LSC and UHD
  - Student computer/internet account, access to computer labs and access to libraries at LSC and UHD
  - Student access to sporting events at UHD
  - Free electronic transfer transcript transmission/evaluation
  - Application fees will be waived for LSC students who apply to UHD within 6 months of earning an Associate's degree.
- Cooperative Advising allows students to access embedded advisors at both institutions for students who are:
  - Admitted (either through regular or joint admissions) at UHD
  - All LSC students with an expressed interest in transferring to UHD
  - Advising for all degree programs at UHD
- Employee discount provides LSC employees an opportunity to apply discounts or waive fees at UHD:
  - Application fee will be waived for UHD employees
  - Recognize the eligibility of LSC employees to apply for scholarship programs.

## **Standard Agreement & P2P Agreement**

(Associate of Science to  
Bachelor of Science in Chemistry)

### Program Admission Requirements

- Student must have a cumulative 2.0 GPA.
- UHD will calculate the higher grade received on duplicate courses for GPA requirements.
- UHD will accept a "D" in 1000/2000 level science courses

### Program Specific Requirements

- This academic plan represents the BS in Chemistry. There are also 4 concentrations within the Chemistry degree which are listed below. Please see the current UHD catalog for the course requirements for each concentration.
  - B.S in Chemistry with Concentration in Biochemistry
  - B.S in Chemistry with Concentration in Environmental Chemistry
  - B.S in Chemistry with Concentration in Forensic Science
  - B.S in Chemistry with Concentration in Industrial Chemistry