

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

### 4 – Year Suggested Academic Plan for Transfer

#### 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 HIST 1301, 1302, 2301	3
History Elective	(core 060)	Choose from HIST 1301, 1302, 2301	3	MATH 2414	MATH 2302	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>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>

### Third Year – Junior

Fall Semester				Spring Semester			
LSC	UHD	Course Name	Hrs	LSC	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 3301/3201	Organic Chemistry I w/ Lab	5		CHEM 3302/3202	Organic Chemistry I w/ Lab	5
	ENG (writing)	ENG 3302, 3325, 3326, 3329, or 4306	3		CHEM 3300	Undergraduate Research – approval by NS dept., min. GPA of 2.0, and permission of instructor required.	3
<b>Total</b>			<b>16</b>	<b>Total</b>			<b>16</b>

### Fourth Year - Senior

Fall Semester				Spring Semester			
LSC	UHD	Course Name	Hrs	LSC	UHD	Course Name	Hrs
	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	Polymer Chemistry	3
	CS 1408 or CS 1410	CS w/Visual Basic or CS w/C++	4		CHEM 3320	Environmental Chemistry	3
	STAT 3311	Statistical Analysis for Nat.I Science	3		Elective	Free elective (if needed)	2
<b>Total</b>			<b>15</b>	<b>Total</b>			<b>12</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