



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



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

### 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         | ENG 1302   | Composition & Rhetoric II       | 3         |
| ENGL 1301         | ENG 1301   | Composition & Rhetoric I                       | 3         | History           | (Core 060) | Choose from LSC Core Curriculum | 3         |
| History           | (Core 060) | Choose from LSC Core Curriculum                | 3         | MATH 2414         | MATH 2402  | Calculus II                     | 4         |
| MATH 2413 (2)     | MATH 2401  | Calculus I                                     | 4         | Life & Phys. Sci. | (Core 030) | Choose from LSC Core Curriculum | 4         |
| Life & Phys. Sci. | (Core 030) | Choose from LSC Core Curriculum                | 4         |                   |            |                                 |           |
| <b>Total</b>      |            |  | <b>17</b> | <b>Total</b>      |            |                                 | <b>14</b> |

### Summer Session

|              |           |                                      |          |              |           |                    |          |
|--------------|-----------|--------------------------------------|----------|--------------|-----------|--------------------|----------|
| SPCH 1311    | COMM 1304 | Introduction to Speech Communication | 3        | GOVT 2305    | POLS 2305 | Federal Government | 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       |
| Language, Phil & Culture | (Core 040) | Choose from LSC Core Curriculum | 3         | Life & Phys. Sci. | Elective   | Choose from LSC Core Curriculum      | 4         |
| Life & Phys. Sci.        | Elective   | Choose from LSC Core Curriculum | 4         | PHED 1164         | (Core 090) | Intro to Physical Fitness & Wellness | 1         |
| MATH 2415                | MATH 2403  | Calculus III                    | 4         | GOVT 2306         | POLS 2306  | Texas Government                     | 3         |
| Social & Behav. Science  | (Core 080) | Choose from LSC core curriculum | 3         | MATH 2318         | MATH 2407  | Linear Algebra                       | 3         |
|                          |            |                                 |           | Creative Arts     | (Core 050) | Choose from LSC Core Curriculum      | 3         |
| <b>Total</b>             |            |                                 | <b>14</b> | <b>Total</b>      |            |                                      | <b>14</b> |

### Third Year - Junior

| Fall Semester |                              |           | Spring Semester |                                |           |
|---------------|------------------------------|-----------|-----------------|--------------------------------|-----------|
| UHD           | Course Name                  | Hrs       | UHD             | Course Name                    | Hrs       |
| MATH 2409     | Introduction to Proofs       | 4         | MATH 3307       | Analysis I                     | 3         |
| MATH 3302     | Probability and Statistics   | 3         | MATH elective   | 4000 level MATH – see catalog  | 3         |
| MATH 3408     | Numerical Methods            | 4         | MATH 3306       | Introduction to Modern Algebra | 3         |
| MATH 3301     | Differential Equations       | 3         | Minor           | See options below – note (3)   | 3         |
| Minor         | See options below – note (3) | 3         | Minor           | See options below – note (3)   | 3         |
| <b>Total</b>  |                              | <b>17</b> | <b>Total</b>    |                                | <b>15</b> |

### Fourth Year – Senior

| Fall Semester |               |                                    |           | Spring Semester |               |                                    |           |
|---------------|---------------|------------------------------------|-----------|-----------------|---------------|------------------------------------|-----------|
| LSC           | UHD           | Course Name                        | Hrs       | LSC             | UHD           | Course Name                        | Hrs       |
|               | MATH elective | 2000-4000 level MATH – see catalog | 3         |                 | MATH elective | 4000 level MATH – see catalog      | 3         |
|               | MATH 4395     | Senior Project in Mathematics      | 3         |                 | MATH elective | 2000-4000 level MATH – see catalog | 3         |
|               | Minor         | See options below – note (3)       | 3         |                 | Free Elective | Free Elective (if needed)          | 3         |
|               | Minor         | See options below – note (3)       | 3         |                 | Free Elective | Free Elective (if needed)          | 3         |
| <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, complete SPCH course from summer. All students must complete SPCH requirement.
- (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 an advisor regarding placement testing.
- (3) Any UHD approved Teaching Certification or minor from the College of Science and Technology.

Completion of the AS requires a minimum of 7 elective hours. The courses listed are preferred for transfer and program completion at UHD.

Course aids in transfer and completion of program at UHD, not a requirement for completion of AS.

\*Based on UHD & LSC Catalog year of 2021-2022. There may be some minor changes in courses due to recently approved course updates. \*

## 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

### **Standard Agreement & P2P Agreement**

(Associate of Science to  
Bachelor of Science in Mathematics)

### Program Admission Requirements

- Transfer Admission Criteria (15 or more earned college-level credit hours) 2.0 GPA
- Student must be in Good Academic Standing at last institution attended
- For a course taken more than once, the highest grade will be transferred

### Program Specific Requirements

- The BA in Mathematics at UHD is a 120 credit hour degree program.
- All degree candidates must have a 2.0 GPA average and a grade of "C" or better in all mathematics, statistics and DATA course work.