



Transfer Degree Map: LSC Associate of Science in Civil Engineering to UH-Downtown Bachelor of Science in Engineering Technology- Structural Analysis/Design in Engineering Technology



4 – Year Suggested Academic Plan for Transfer - Based on Catalog Year 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 st year experience	3	MATH 2414	MATH 2402	Calculus II	4
MATH 2413	MATH 2401	Calculus I	4	PHYS 2425	PHYS 2401/2101	Mechanics & Heat	4
CHEM 1411	CHEM 1307/1107	General Chemistry I	4	ENGR 1304	ENGR 2304	Engineering Graphics	3
ENGR 1201	ENGR 1302	Introduction to Engineering	2	ENGL 1302	(Core 90)	Composition & Rhetoric II	3
ENGL 1301	ENG 1301	Composition & Rhetoric I	3	HIST 1301	HIST 1305	United States History to 1877	3
Total			16	Total			17
LSC	UHD	Course Name	Hrs	LSC	UHD	Course Name	Hrs
HIST 1302	HIST 1306	United States History Since 1877	3				
Total			3	Total			

Second Year - Sophomore

Fall Semester				Spring Semester			
LSC	UHD	Course Name	Hrs	LSC	UHD	Course Name	Hrs
MATH 2415	MATH 2403	Calculus III	4	MATH 2320	MATH 3301	Differential Equations	3
PHED 1164	(Core 90)	Introduction to Phys. Fitness & Wellness	1	ENGR 2405	EET 1411	Electrical Circuits I	4
ENGR 2301	ENGR 2308	Engineering Mechanics: Statics	3	ENGR 2302	ENGR 2409 (1)	Engineering Mechanics: Dynamics	3
ENGR 2304	ENGR 1400	Programming for Engineers	3	GOVT 2306	POLS 2306	Texas Government	3
GOVT 2305	POLS 2305	Federal Government	3				
Total			14	Total			13

Summer Session at UHD

LSC	UHD	Course Name	Hrs	LSC	UHD	Course Name	Hrs
	ENGR 3302	Engineering Economics	3		TCOMM 3302	Business and Technical Report Writing	3
Total			3	Total			3

Third Year - Junior

Fall Semester				Spring Semester			
LSC	UHD	Course Name	Hrs	LSC	UHD	Course Name	Hrs
	ENGR 2407	Surveying with GIS-GPS	4		Creative Arts	Choose from UHD Core Curriculum	3
	ENGR 3329	Concrete Technology w/lab	3		ENGR 3322	Structural Analysis II	3
	ENGR 3311	Structural Analysis I	3		ENGR 4320	Prestressed Concrete	3
	ENGR 3312	Reinforced Concrete Design	3		ENGR 4321	Structural Steel Design	3
	ENGR 3321	Soil Mechanics w/lab	3		ENGR 4322	Foundation Design	3
Total			16	Total			15

Summer Session

LSC	UHD	Course Name	Hrs	LSC	UHD	Course Name	Hrs
	UL ENGR	Approved Course- See Catalog for options	3				
Total			3	Total			

Fourth Year - Senior

Fall Semester				Spring Semester			
LSC	UHD	Course Name	Hrs	LSC	UHD	Course Name	Hrs
	ENGR 2411	Modern Methods of Engineering Analysis	4		ENGR 4326	Dynamics of Structure	3
	ENGR 4323	Engineering Seminar	3		ENGR 3308	Fluid Mechanics	3
	ENGR 4428	Construction Management	4		Language, Phil. & Culture	Choose from UHD Core Curriculum	3
	ENGR 4435	Senior Capstone Project	4		Social & Behav. Science	Choose from UHD Core Curriculum	3
Total			15	Total			12

Notes/Comments:

- (1) Only required for FTIC (First Time in College) students. If not FTIC, student may select another course.
- (2) A student can request credit for UHD ENGR 2409 Mechanics of Materials with Lab if student has completed both PHYS 2425 Mechanics & Heat and ENGR 2302 Engineering Mechanics: Dynamics at LSC.

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 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 LSC employees
 - Recognize the eligibility of LSC employees to apply for scholarship programs.

Standard Agreement & P2P Agreement

(Associate of Science, Civil Engineering to
Bachelor of Science, Engineering Technology
Structural Analysis/Design in Engineering Tech.)

Program Admission Requirements

- Student must have a cumulative 2.0 GPA.
- UHD will calculate the higher grade received on duplicate courses for GPA requirements.
- Students are required to receive no more than two grades of "D" in Math, Physics, and Chemistry. All engineering technology (ENGR, ET, and EET) courses must be completed with a grade of "C" or better.

Program Specific Requirements

- Bachelor of Science in Engineering Technology – Structural Analysis and Design Engineering Technology requires a minimum of 120 semester credit hours (sch).