Transfer Degree Map: LSC Associate of Science in Electrical Engineering to UH-Downtown
Bachelor of Science in Engineering Technology- Control and Instrumentation 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" 1st Year Exp.	3	MATH 2414	MATH 2402	Calculus II	4
MATH 2413 (2)	MATH 2401	Calculus I	4	PHYS 2425	PHYS 2401/2101	Mechanics & Heat	4
CHEM 1411	CHEM 1307/1107	General Chemistry I	4	PHED 1164	(Core 90)	Introduction to Physical Fitness & Wellness	1
ENGR 1201	ENGR 1302	Introduction to Engineering	2	GOVT 2305	POLS 2305	Federal Government	3
ENGL 1301	ENG 1301	Composition & Rhetoric I	3	HIST 1301	HIST 1305	United States History to 1877	3
Total			**16**	**Total**			**15**
Summer Session							
HIST 1302	HIST 1306	United States History Since 1877	3	ENGL 1302 (3)	(Core 90)	Composition & Rhetoric II	3
Total			**3**	**Total**			**3**

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
PHYS 2426	PHYS 2402/2102	Electricity, Magnetism and Light	4	ENGR 2405	EET 1411	Electrical Circuits I	4
ENGR 2406	EET 2431	Introduction to Digital Systems	4	MATH 2318	MATH 2307	Linear Algebra	3
ENGR 2304	ENGR 1400	Programming for Engineers	3	GOVT 2306	POLS 2306	Texas Government	3
Total			**15**	**Total**			**13**

Third Year - Junior

Fall Semester				Spring Semester			
LSC	**UHD**	**Course Name**	**Hrs**	**LSC**	**UHD**	**Course Name**	**Hrs**
	ENGR 3302	Engineering Economics	3		EET 2421	Electronic Devices & Amplifiers w/lab	4
	ENGR 3308	Fluid Mechanics	3		ENGR 3307	Applied Thermodynamics and Heat Transfer	3
	Language, Phil. & Culture	Choose from UHD Core Curriculum	3		ENGR 3410	Process Modeling and Simulation	4
	Social & Bhv. Sci.	Choose from UHD Core Curriculum	3		TCOM 3302	Business and Technical Report Writing	3
Total			**12**	**Total**			**14**
Summer Session							
	EET 4335	Computer Networking	3				
Total			**3**				

Fourth Year - Senior

Fall Semester				Spring Semester			
LSC	**UHD**	**Course Name**	**Hrs**	**LSC**	**UHD**	**Course Name**	**Hrs**
	EET 3334	Electrical Power Systems	3		ENGR 4406	Process Control Systems	4
	EET 3435	Fundamentals of Automation and Control w/lab	4		ENGR 4323	Engineering Seminar	3
	EET 3451	Instruments and Transducers w/lab	4		ENGR 4328	Senior Project	3
	ENGR 4402	Process Design and Operation	4		Creative Arts	Choose from UHD Core Curriculum	3
Total			**15**	**Total**			**13**
Summer Session							
	ENGR 4438	Safety Instrumented Systems	4				
Total			**4**	**Total**			**0**

Notes/Comments:

(1) EDUC 1300 is required for First Time in College (FTIC) students only. If not FTIC, student may select course from summer session.
(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) ENGL 1302 is not required for the AS degree but is required by UHD and must be completed prior to enrolling in the Engineering program.

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-Electrical Engineering to Bachelor of Science in Engineering Technology-Control & Instrumentation Engineering Technology)

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 – Control & Instrumentation Engineering Technology requires a minimum of 120 semester credit hours (sch).