

Bachelor of Science in Engineering Technology in Structural Analysis (120 hours)

This table shows a sample recommended course sequence for this degree based on the UHD 2021-22 Undergraduate Catalog. Students should verify degree requirements and registration plans with an advisor to ensure accuracy. Please note that some degrees and colleges have specific GPA and other requirements. Courses with asterisks (*) indicate Common Core courses.

First Year (Freshman 0-29 hrs)

SEMESTER 1	HOURS	TCCNS	ACGM		SEMESTER 1	HOURS	TCCNS	ACGM
ENG 1301	3	ENGL 1301	Composition 1		ENG 1302	3	ENGL 1302	Composition II
PHYS 1307/1107	4	PHYS 1301/P HYS 1101	Physics w/ Lab		ENGR 1400	4	ENGR 2304	Programming for Engineers
Social and Behavioral Sciences	3				MATH 2401	4	MATH 2413	Calculus 1
UHD 1303 Freshmen Seminar*	3				Language, Philosophy & Culture	3		
Total Hours	13				Oral communication course	3		
					Total Hours	17		

Second Year (Sophomore 30-59 hrs)

SEMESTER 1	HOURS	TCCNS	ACGM		SEMESTER 1	HOURS	TCCNS	ACGM
ENGR 2308 (Statics)	3				ENGR 2304 (CAD I)	3		
CHEM 1307/1107	4	CHEM 1311/C HEM 1111	General Chemistry I w/ Lab		ENGR 2409 (Engineering Mechanics w/Lab)	4		
ENGR 2411 (Methods of Engineering Analysis)	4				Am. Hist. course	3		
Am. Hist. Course	3				POLS 2306)	3	GOVT 2306	Texas Government
					Approve LL elective	3		
Total Hours	14				Total Hours	16		

Third Year (Junior 60-89 hrs)

SEMESTER 1	HOURS	TCCNS	ACGM		SEMESTER 1	HOURS	TCCNS	ACGM
ENGR 2306/2106 (Surveying with GIS-GPS)	4				ENGR 3302 (Engineering Economics)	3		
ENGR 3311 (Structural Analysis I)	3				ENGR 3322 (Structural Analysis II)	3		
ENGR 3312 (Reinforced Concrete Design)	3				ENGR 4321 (Structural Steel Design)	3		
ENGR 3321/3121 (Soil Mechanics w/ Lab)	4				ENGR 4322 (Foundation Design)	3		
ENGR 3329 (Concrete Technology w/Lab)	3				ENGR 3332 (Engineering Communication and Ethics)	3		
Total Hours	17				Total Hours	15		

SUMMER

					ENGR 3344 (Traffic and Transportation)	3		
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Fourth Year (Senior 90-120 hrs)

SEMESTER 1	HOURS	TCCNS	ACGM		SEMESTER 1	HOURS	TCCNS	ACGM
ENGR 3308 (Fluid Dynamics)	3				ENGR 4320 (Prestressed Concrete)	3		
ENGR 4428 (Construction Management)	4				POLS 2305 (Federal Government)	3		
ENGR 4135 (Senior Capstone Project I)	1				ENGR 4326 (Dynamics of Structure)	3		
Approved UL elective	3				ENGR 4335 (Senior Capstone Design II)	3		
Creative Arts course	3				Total Hours	12		
Total Hours	14							