



Bachelor of Science in Engineering Technology in Control & Instrumentation (120 hours)

This table shows a sample recommended course sequence for this degree based on the **UHD 2025-26 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	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
ENG 1301*	3		ENGL 1301	Composition I	ENG 1302*	3		ENGL 1302	Composition II
EET 1411 (Electric Circuits with Labs)	4		ENGT 1409	C/DC Circuits for Engineering Technology	PHYS 1307/1107*	4		PHYS 1301/1101	Physics w/ Lab
MATH 2401*	4		MATH 2413	Calculus I	CHEM 1307/1107*	4		CHEM 1311/1111	General Chemistry I w/ Lab
UHD 1303 (Freshman Seminar*)	3				ENGR 1333 (Programming for Engineers)	3		ENGR 2304	Programming for Engineers
Total Hours	14				Total Hours	14			

Second Year (Sophomore 30-59 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
Social & Behavioral Science*	3				EET 2322/2122 (Analog Electronics w/ Lab)	4			
PHYS 1308/1108	4		PHYS 1302/1102	College Physics II w/ Lab	Oral Communication*	3			
ENGR 2411 (Modern Methods of Engr Analysis) or MATH 2402 (Calculus II)	4		MATH 2414	Calculus II	POLS 2306*	3		GOVT 2306	Texas Government
POLS 2305*	3		GOVT 2305	Federal Government	Language, Philosophy, & Culture*	3			
					Approved LL Elective	3			
Total Hours	14				Total Hours	16			

Summer

Semester 1	Hours	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
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EET 2332/2132 (Digital Fundamentals w/ Lab)	4		ENGT 1407	Digital Fundamentals w/ Lab	American History*	3			
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Third Year (Junior 60-89 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
EET 3335/3135 (Automation & Control /Lab)	4				ENGR 3307 (Applied Thermo & Heat Transfer)	3			
EET 3352/3152 (Measurement & Instrumentation w/ Lab)	4				ENGR 3410 (Process Modeling & Simulation)	4			
ENGR 3332 (Engineering Communication & Ethics)	3				ENGR 4306/4106 (Process Control Systems)	4			
EET 3334 (Electrical Power Systems)	3				ENGR 4128 (CIET Senior Project Design)	1			
					ENGR 4338 (Safety Instr. Systems)	3			
Total Hours	14				Total Hours	15			

Fourth Year (Senior 90-120 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
ENGR 3308 (Fluid Mechanics)	3				ENGR 3302 (Engineering Economics)	3			
ENGR 4302/4102 (Process Design and Operation w/Lab)	4				Creative Arts*	3			
ENGR 4328 (Senior Project in Control & Instrumentation)	3				Approved UL Elective	3			
American History*	3				EET 4336/4136 (Data Communications / Lab)	4			
Total Hours	13				Total Hours	13			