

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

This is a recommended course sequence based on the UHD 2023-24 Undergraduate Catalog for a degree in Control and Instrumentation which equips students to apply modern instrumentation and control technologies to solve industrial process control problems. Courses with asterisks (*) indicate Common Core courses.

First Year					
Semester 1			Semester 2		
	Hours	Grade		Hours	Grade
ENG 1301*	3		ENG 1302*	3	
CHEM 1307/1107*	4		PHYS 1307/1107*	4	
UHD First-year Seminar*	3		ENGR 1333 (Programming for Engineers)	3	
EET 1411 (Electric Circuits w/Lab)	4		MATH 2401*	4	
Total Hours	14		Total Hours	14	
Second Year					
Semester 1			Semester 2		
	Hours	Grade		Hours	Grade
PHYS 1308/1108	4		EET 2322/2122 (Analog Electronics / Lab)	4	
ENGR 2411 (Modern Methods of Engr Analysis) or MATH 2402 (Calculus II)	4		Approved CIET LL Elective	3	
POLS 2305 (Federal Government)*	3		Approved Oral Communication course*	3	
Approved Social & Behavioral Sciences course*	3		POLS 2306*	3	
EET 2332/2132 (Digital Fundamentals/Lab) (Summer Option)	3		Approved Language, Philosophy and Culture course* (Summer Option)	3	
Total Hours	17		Total Hours	16	
Third Year					
Semester 1			Semester 2		
	Hours	Grade		Hours	Grade
EET 3335/3135 (Automation & Control /Lab)	4		ENGR 3307 (Applied Thermo & Heat Transfer)	3	
EET 3352/3152 (Measurement & Instrumentation / Lab)	4		ENGR 3410 (Process Modeling and Simulation)	4	
ENGR 3332 (Engineering Communication and Ethics)	3		ENGR 4306/4106 (Process Control Systems / Lab)	4	
EET 3334 (Electrical Power Systems)	3		ENGR 4128 (CIET Senior Project Design)	1	
ENGR 4338 (Safety Instr. Systems) (Summer Option)	3		Approved American History course*	3	
Total Hours	17		Total Hours	15	
Fourth Year					
Semester 1			Semester 2		
	Hours	Grade		Hours	Grade

ENGR 4302/4102 (Process Design & Operation / Lab)	4
ENGR 4328 (Senior Project in CIET)	3
ENGR 3308 (Fluid Mechanics)	3
Approved American History course*	3
Total Hours	13

EET 4336/4136 (Data Communications / Lab)	4
ENGR 3302 (Engineering Economics)	3
Approved CIET UL Elective	3
Approved Creative Arts course*	3
Total Hours	13

15 to Finish

Fall: 15 hours • Spring: 15 hours

30 in 3

Fall: 12 hours • Spring: 12 hours • Summer: 6 hours