



Bachelor of Science in Applied Statistics w/ Secondary Teacher Certification (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
MATH 2401*	4		MATH 2413	Calculus I	MATH 2402	4		MATH 2414	Calculus II
Life and Physical Science*	3				MATH 2305	3		MATH 2305	Discrete Mathematics
UHD 1302* (Freshman Sem - Math)	3				Life and Physical Science*	3			
POLS 2305*	3		GOVT 2305	Federal Government	American History Course*	3			
Total Hours	16				Total Hours	16			

Second Year (Sophomore 30-59 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
MATH 2307 (Linear Algebra)	3				Applied Statistics Elective Course	3			
MATH 3302 (Prob & Stats)	3				MATH 3303 (Geometry for Teachers)	3			
STAT 3311 (Statistical Analysis for Natural Sciences)	3				READ 3309 (Teaching Reading in the Content Areas)	3			
POLS 2306	3		GOVT 2306	Texas Government	Social and Behavioral Science*	3			
PED 3301 (Introduction to Special Populations)	3				Creative Arts Course*	3			
Total Hours	15				Total Hours	15			

Third Year (Junior 60-89 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
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Language, Philosophy, & Culture*	3				Applied Statistics Elective Course	3			
American History Course*	3				MATH 3313 (Mathematics for Secondary Teachers)				
Oral Communication*	3				SED 3312 (Organizing and Managing the Class Environment in the Secondary School)	3			
Applied Statistics Elective Course	3				PED 3305 (Understanding the Early Child through 12th grade)	3			
STAT 4397 (Statistical Computing)	3				PED 4380 (Field Experience in Urban Public School Classrooms)	3			
Free Electives (if needed)	3				Free Electives (if needed)	3			
Total Hours	18				Total Hours	18			

Fourth Year (Senior 90-120 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
Applied Statistics Elective Course	3				SED 4301 (Student Teaching in the Secondary School)	3			
SED 3317 (Teaching Secondary School Mathematics)	3				SED 4302 (Student Teaching in the Secondary School)	3			
SED 3307 (Secondary Teacher Roles in Assessment & Profession)	3				READ 4321 (Literacy Across the Curriculum 8-12)	3			
PED 4392 (Field Experience in Urban Education Classrooms)	3								
Free Elective (If needed)	1								
Total Hours	13				Total Hours	9			