Bachelor of Science in Mathematics (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		POLS 2305*	3		GOVT 2305	Federal Government
Life and Physical Science*	3					Life and Physical Science*	3			
UHD 1302 (Freshman Sem - Math)*	3					MATH 2409 (Intro to Proofs)	4			
						MATH 2402	4		MATH 2414	Calculus II
Total Hours	13					Total Hours	17			

Second Year (Sophomore 30-59 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM		Semester 2	Hours	Grade	TCCNS	ACGM
MATH 2307	3		MATH 2318	Linear Algebra		MATH 3302 (Prob & Stats)	3			
MATH 3301 (Diff. Equations)	3		MATH 2320	Differential Equations		Approved Minor Course (w/in College of Sciences & Technology)	3			
POLS 2306*	3		GOVT 2306	Texas Government		American History Course*	3			
Oral Communication*	3					MATH 2403	4		MATH 2415	Calculus III
Language, Philosophy, & Culture*	3					Approved Minor Course (w/in College of Sciences & Technology)	3			
Total Hours	15					Total Hours	16			

Third Year (Junior 60-89 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM		Semester 2	Hours	Grade	TCCNS	ACGM

Course	Hours	Grade	TCCNS	ACGM		Course	Hours	Grade	TCCNS	ACGM
MATH 3408 (Numerical Methods)	4					**MATH 3307** (Analysis I)	3			
Social &. Behavioral Sciences*	3					**MATH 3309 or MATH 3312 or MATH 3314**	3			
MATH 3000-4000 Level Elective	3					**Approved Minor Course** (w/in College of Sciences & Technology)	3			
MATH 3306 (Intro Modern Algebra)	3					**Approved Minor Course** (w/in College of Sciences & Technology)	3			
Approved Minor Course (w/in College of Sciences & Technology)	3					**American History Course***	3			
Total Hours	**16**					**Total Hours**	**15**			

Fourth Year (Senior 90-120 hrs)										
Semester 1	**Hours**	**Grade**	**TCCNS**	**ACGM**		**Semester 2**	**Hours**	**Grade**	**TCCNS**	**ACGM**
MATH 4000 (Elective Course)	3					**Creative Arts Course***	3			
MATH 4395 (Senior Project)	3					**MATH 4000** Level Elective	3			
Approved Minor Course (w/in College of Sciences & Technology)	3					**MATH Elective 3000-4000 Course**	3			
Approved Minor Course (w/in College of Sciences & Technology)	3					**DATA 2401** (Data Science I) or **CS 1411** (Intro to CS w/ Python)	4			
Free Elective (If needed)	3					**Free Elective** (If needed)	3			
Total Hours	**15**					**Total Hours**	**16**			