Bachelor of Science in Mathematics (120 hours)

This is a recommended course sequence based on the UHD 2023-24 Undergraduate Catalog for a degree in BS in Mathematics which equips students to work in many different industries or professions, such as: mathematicians, programmers, educators or data analysts. Courses with asterisks (*) indicate Common Core courses.

First Year

Semester 1	Hours	Grade	Semester 2	Hours	Grade
ENG 1301*	3		ENG 1302*	3	
MATH 2401*	4		MATH 2402	4	
Approved Life and Physical Science Course*	3		MATH 2409 (Intro to Proofs)	4	
UHD First-year Seminar*	3		Approved Life & Physical Science*	3	
			POLS 2305* (Summer Option)	3	
Total Hours	13		Total Hours	17	

Second Year

Semester 1	Hours	Grade	Semester 2	Hours	Grade
MATH 2307	3		MATH 3302 (Prob & Stats)	3	
MATH 3301 (Diff. Equations)	3		MATH 3408 (Numerical Methods)	4	
POLS 2306*	3		MATH 2403	4	
Approved Oral Communication Course* (Summer Option)	3		Minor Course	3	
Approved Language, Philosophy, & Culture Course*	3		Approved American History Course* (Summer Option)	3	
Total Hours	15		Total Hours	17	

Third Year

Semester 1	Hours	Grade	Semester 2	Hours	Grade
MATH 3307 (Analysis I)	3		MATH 3306 (Intro Modern Algebra)	3	
MATH Elective (3000-4000 level)	3		MATH Elective Choose either MATH 3309,3312 or 3314	3	
Minor Course	3		Minor Course	3	
Approved Social & Behavioral Sciences Course* (Summer Option)	3		Minor Course	3	
DATA 2401 (can be substituted for CS 1311 or CS 1410)	3-4		Approved American History Course* (Summer Option)	3	
Total Hours	15		Total Hours	15	

Fourth Year

Semester 1	Hours	Grade	Semester 2	Hours	Grade
MATH 4000 Elective Course	3		MATH 4000 level Elective	3	
MATH 4395 (Senior Project)	3		MATH Elective (3000-4000)	3	
Minor Course	3		Approved Creative Arts Course*	3	
Minor Course	3		Free Elective (if needed)	4	
Free Elective (if needed) (Summer Option)	3				
Total Hours	15		Total Hours	13	

15 to Finish
Fall: 15 hours • Spring: 15 hours

30 in 3
Fall: 12 hours • Spring: 12 hours • Summer: 6 hours