

2021-2022 Four-Year Plan for the BS Math General Degree

Freshman			Fall			Spring		
MATH 143	College Algebra	3	MATH 170	Calculus I	4			
Elective	Scientific Ways of Knowing Course	4	MATH 144	Analytic Trigonometry	1			
ENGL 101	Writing and Rhetoric I	3	ENGL 102	Writing and Rhetoric II	3			
Elective	Oral Communication Course	2	CS 112 or CS 120		3			
Elective	American Diversity Course	3	Elective	Humanistic and Artistic Ways of Knowing Course	3			
Total Credits		15	Total Credits		14			

Sophomore			Fall			Spring		
MATH 175	Calculus II	4	MATH 215	Proof via Number Theory	3			
MATH 176	Discrete Mathematics	3	MATH 330	Linear Algebra	3			
Elective	International Course	3	MATH 275	Calculus III	3			
Elective	Social and Behavioral Ways of Knowing Course	3	Elective	Social and Behavioral Ways of Knowing Course	3			
Elective	Free Elective	3	Elective	Scientific Ways of Knowing Course	4			
Total Credits		16	Total Credits		16			

Junior			Fall			Spring		
STAT 301	Probability and Statistics	3	MATH Elective	Math elective numbered above 310	3			
MATH 310	Ordinary Differential Equations	3	MATH Choice	Math 430 or 452 or 453 or 462 or 472 or 476	3			
MATH 461	Abstract Algebra I	3	Elective	Humanistic and Artistic Ways of Knowing Course	3			
Elective	Free Elective	3	Elective	Free Elective	3			
Elective	Free Elective	3	Elective	Free Elective	3			
Total Credits		15	Total Credits		15			

Senior			Fall			Spring		
MATH 415	Cryptography	3	MATH Elective	Math elective numbered above 310	3			
MATH 471	Intro to Analysis I	3	MATH Elective	Math elective numbered above 310	3			
MATH Elective	Math elective numbered above 310	3	Elective	Free Elective	3			
Elective	Free Elective	3	Elective	Free Elective	3			
Elective	Free Elective	3	Elective	Free Elective	3			
Total Credits		15	Total Credits		15			