Bachelor in Arts with a major in MATHEMATICAL SCIENCES: MATHEMATICS TRACK

Inver Hills Community College Courses	Credits	Saint Mary's Courses
MATH 1133 Calculus I	4	M151 Calculus I
MATH 1134 Calculus II	4	M152 Calculus II
MATH 2219 Multivariable Calculus	4	M251 Calculus III
MATH 2221 Linear Algebra	4	M252 Linear Algebra

Other Inver Hills courses that can transfer for required courses in the Mathematical Sciences: Mathematics Track major		
MATH 2100 Discrete Mathematics	4	M300 Discrete Mathematics
MATH 2222 Introduction to Differential Equations	3	M341 Differential Equations with Applications (elective)
MATH 1103 Introduction to Statistics	3	ST232 Introduction to Probability and Statistics
CS 1117 Computer Programming with Python	3	CS110 Introduction to Programming

Students may transfer an unlimited amount of credit from Inver Hills Community College into Saint Mary's University of Minnesota. Upon transferring into Saint Mary's, students are required to meet all graduation requirements. The courses listed above meet specific requirements of the Mathematics program, and are part of the IHCC/SMUMN transfer pathway. Students are strongly encouraged to meet with a Saint Mary's adviser to discuss how to optimize transfer credit. All courses must be completed with a C- or better to transfer.

A.A. Degree Credit Breakdown	Credits	
Completion of MnTC Requirements	40	Meets General Education Requirements
Total Credits Transferred for A.A. Degree	60	

Major courses remaining to complete B.A. in Mathematics		Credits

ST232 Introduction to Probability and Statistics*	3
CS110 Introduction to Programming*	3
M200 Introduction to Data Science	3
M300 Discrete Mathematics	4
M491 Senior Seminar	2
M401 Abstract Algebra OR M411 Introduction to Analysis	3
Three Mathematics or Statistics Electives	9

Remaining graduation requirements for B.A. degree	Credits
Approved Theology	3
INT499: Capstone	3

Minimum Total Credits completed at Saint Mary's University	**30**
Total General Elective Credits needed for Degree Completion**	30
Total minimum number of credits completed as part of A.A.	60
Total Credits for B.A. in Mathematical Sciences: Mathematics Track Degree	**120**

*If not taken at Inver Hills Community College.

**General Electives credits can be taken at Inver Hills Community College, Saint Mary's University of Minnesota, or any other regionally accredited institution.