



**Saint Mary's**  
**University**  
*of MINNESOTA*

A.A. Transfer Pathway

**Rochester Community and Technical College**

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

<b>Rochester Community and Technical College Courses</b>	<b>Credits</b>	<b>Saint Mary's Courses</b>
MATH 1127 Calculus I	4	M151 Calculus I
MATH 1128 Calculus II	4	M152 Calculus II
MATH 2237 Multivariable and Vector Calculus	4	M251 Calculus III
MATH 2238 Differential Equations and Linear Algebra	4	M252 Linear Algebra

### **Other Rochester courses that can transfer for required courses in the Mathematical Sciences: Mathematics Track major**

MATH 2218 Discrete Mathematics	4	M300 Discrete Mathematics
MATH 2208 Fundamentals of Statistics	3	ST232 Introduction to Probability and Statistics
COMP 2243 Programming and Problem Solving	3	CS110 Introduction to Programming

Students may transfer an unlimited amount of credit from Rochester 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 CC/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.

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

<b>Major courses remaining to complete B.A. in Mathematics</b>	<b>Credits</b>
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

<b><u>Remaining graduation requirements for B.A. degree</u></b>	<b><u>Credits</u></b>
Approved Theology	3
INT499: Capstone	3

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

\*If not taken at Rochester Community and Technical College.

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