

Associate of Arts DEGREE Mathematics Transfer Pathway

Program Overview

The Mathematics Transfer Pathway AA degree will prepare students for transfer to a baccalaureate program of study in a variety of mathematics fields. It lays a solid foundation for programs that include: applied mathematics, actuarial science, biomathematics, computer science, data science, engineering, pure/theoretical mathematics, statistics, and mathematics education.

Career Opportunities

Upon completion of the Math Transfer Pathway AA degree, students will have developed strong critical thinking, quantitative reasoning, computational, and analytical skills. They will be prepared to major or minor in a variety of fields that include: applied mathematics, actuarial science, biomathematics, computer science, data science, engineering, pure/theoretical mathematics, statistics, and mathematics education. With a degree in any of the areas mentioned above, they will have a variety of employment opportunities in government, private industry, and education.

Program Outcomes

1. Develop and analyze mathematical models.
2. Apply logical reasoning to solve a variety of problems.
3. Construct and verify simple mathematical proofs.
4. Navigate multiple perspectives through an attitude of respectful interest and curiosity by engaging in problem solving and discussion with a diverse group of students in mathematics.

Transfer Opportunities

Saint Paul College has transfer agreements & partnerships between many post-secondary institutions. For more information please go to saintpaul.edu/Transfer.

Program Faculty

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Program Requirements

Check off when completed

Pathway Requirements	Cr
<input type="checkbox"/> MATH 2749 Calculus 1	4
<input type="checkbox"/> MATH 2750 Calculus 2	4
<input type="checkbox"/> MATH 2753 Multivariable Calculus1	4
<input type="checkbox"/> MATH 2760 Differential Equations and Linear Algebra	4
<input type="checkbox"/> Pathway Electives	4
Any MnTC course may be counted however; MATH 2460 Discrete Mathematics – 4 cr is recommended	
Pathway Total	20

MnTC Requirements	Cr
Refer to the Minnesota Transfer Curriculum Course List for each Goal Area	
<input type="checkbox"/> Goal 1: Communication	9
ENGL 1711 Composition 1 – 4 cr ENGL 1712 Composition 2 – 2 cr COMM 17XX- 3 cr	
<input type="checkbox"/> Goal 2: Critical Thinking	
<i>Fulfilled when 10 goal areas (40 credits) are completed.</i>	
<input type="checkbox"/> Goal 3 Natural Science	7
<i>Two courses from two different disciplines, one of which must be a lab course.</i>	
<input type="checkbox"/> Goal 4: Mathematical/Logical Reasoning	3
<i>One course numbered between 1700-1799 or 2700-2799. Met with Pathway MATH courses.</i>	
<input type="checkbox"/> Goal 5: History, Social Sciences and Behavioral Sciences	9
<i>Three courses from two different disciplines.</i>	
<input type="checkbox"/> Goal 6: Humanities & Fine Arts.	9
<i>Three courses from two different disciplines.</i>	
<input type="checkbox"/> Goal Areas 7-10	
<i>Select courses to meet all 10 Goal Areas</i>	
MnTC Requirements Total	40

Total Program Credits 60

If courses are counted in both the Pathway Requirements and the MnTC Requirements students may need to complete additional classes to reach the 60 credit total.

*Information is subject to change.
This Program Requirements Guide is not a contract.*

Program Advisors

Pathway Advisors are the Academic Advisors for the Associate of Arts degree and are located in the Advising Center, Room 1340, Main Floor. For assistance or additional information, please call our Advising Center at 651.846.1739 or email: advising@saintpaul.edu

Additional Requirements

- At least 60 earned college-level credits (40 MnTC credits and 20 additional MnTC, pre-major or elective credits)
- A grade of "C" or better in ENGL1711
- Associate of Arts (AA) cumulative GPA of 2.0
- Minnesota Transfer Curriculum (MnTC) cumulative GPA of 2.0
- Meet Saint Paul College residency requirement: 20 credits. This requirement may be reduced to 12 credits with transfer of at least 12 college-level credits from another Minnesota State College and University or the University of Minnesota.

Program Start Dates

Fall, Spring, Summer

Course Sequence

Students are allowed to take the courses in any sequence. However, all course prerequisites need to be followed. For specific suggestions, please speak with a Pathway Advisor or the program faculty. Students should consult with the Program Advisor each semester.

Not all courses are offered each semester, a selection of courses is offered summer term.

Minimum Program Entry Requirements

Students entering this program must meet the following minimum program entry requirements:

Reading: Score of 250+ or grade of "C" or better in READ 0722 or READ 0724 or EAPP 0900

Writing: Score of 250+ on Reading Comprehension or grade of "C" or better in ENGL 0922 or EAPP 0900

Adv. Algebra & Functions: Score of 250+ or grade of "C" or better in MATH 0920

Assessment Results and Prerequisites:

Students admitted into Saint Paul College programs may need to complete additional courses based on assessment results and course prerequisite requirements. Certain MATH, READ, and ENGL courses have additional prerequisites.

TPMA