



## Mathematics Transfer Pathway AA - 60 credits

(Fall 2021)

\*\*\*REMEMBER TO REGISTER EARLY\*\*\*

### Program Description

The Mathematics Transfer Pathway AA offers students a powerful option: the opportunity to complete an Associate of Arts degree with course credits that directly transfer to designated Mathematics bachelor's degree programs at Minnesota State universities. The curriculum has been specifically designed so that students completing this pathway degree and transferring to one of the seven Minnesota State universities enter the university with junior-year status. All courses in the Transfer Pathway associate degree will directly transfer and apply to the designated bachelor's degree programs in a related field.

Universities within the Minnesota State system include Bemidji State University; Metropolitan State University; Minnesota State University, Mankato; Minnesota State University, Moorhead; Southwest State University; St. Cloud State University; and Winona State University.

### Pre-program Requirements

To begin this program, you need to be at a specific skill level in English/reading and math.

#### English/Reading:

- Eligible for ENGL 1106 - College Composition I, or
- Completion of ENGL/READ 0950/0955 (or equivalent or higher). ENGL/READ 0950/0955 may not be taken concurrently with Semester I coursework.

#### Mathematics:

A college level math course is required for graduation. Students must satisfy course prerequisites for college level math courses, which may require more than one semester of additional math. Connect with your advisor for assistance with course placement.

There are other ways to qualify. Visit [Course Placement](https://lsc.edu/course-placement) (lsc.edu/course-placement) to find out more.

### Required Courses

Course	Course Title	Credits	MnTC Goal Area	Term
FYE 1000	First Year Experience	1		
MATH 2204	Calculus I	5	4	
MATH 2205	Calculus II	5	4	
MATH 2206	Calculus III	4		
MATH 2220	Differential Equations with Linear Algebra	4		
COMM 1100 or COMM 1105 or COMM 1110 or COMM 1115	Introduction to Communication or Interpersonal Communication or Public Speaking or Intercultural Communication	3	1	
ENGL 1106	College Composition I	3	1	
ENGL 1109	College Composition II	3	1	
	Goal Area 3: Natural Sciences. Select two courses from at least two different areas – one course must also satisfy Goal Area 10: People & Environment	6	3, 10	
	Goal Area 5: History, Social and Behavioral Sciences – one course must also satisfy Goal Area 7: Human Diversity, AND one course must also satisfy Goal Area 9: Ethic & Civic Responsibility	9	5, 7, 9	
	Goal Area 6: Humanities and Fine Arts – one course must also satisfy Goal Area 8: Global Perspective and must include one literature course	9	6, 8	
HPER	Physical Education/Health credits	2		
	Unrestricted elective credits	3-6		

**Total credits**

**60**

**Courses may require a prerequisite**



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### Program Outcomes

A student completing Lake Superior College's Mathematics Transfer Pathway AA and transferring into a designated bachelor's program at a Minnesota State University will have junior standing and may complete the bachelor's degree program with an additional amount of credits appropriate to the university attended. You will be able to transfer to the following Minnesota State Universities:

Bemidji State University: Mathematics, BS

Metropolitan State University: Industrial and Applied Mathematics, BS

Minnesota State University Moorhead: Mathematics, BA; Mathematics, BS

Minnesota State University, Mankato: Mathematics, BS

Southwest Minnesota State University: Mathematics, BA

St. Cloud State University: Mathematics, BA

Winona State University: Mathematics, BA

In order to graduate and be guaranteed admission to a Minnesota State university's designated program in mathematics you must earn an overall grade point average as indicated by the university to which you will transfer.

### Suggested Course Sequence

For a full-time student averaging 15 credits per semester

First Semester	15 credits
FYE 1000 First Year Experience	1
ENGL 1106 College Composition I	3
MATH 2204 Calculus I	5
Goal Area 5 elective (must also satisfy Goal Area 7)	3
Goal Area 6 elective (also satisfy Goal Area 8)	3

Second Semester	15 credits
MATH 2205 Calculus II	5
ENGL 1109 College Composition II	3
Goal 3 elective (must also satisfy Goal Area 10)	3
Goal Area 5 elective	3
Physical Education/Health Elective	1

Third Semester	16 credits
MATH 2206 Calculus III	4
COMM 1100, or COMM 1105, or COMM 1110, or COMM 1115	3
Goal Area 3 elective	3
Goal Area 6 elective	3
Unrestricted elective credits	3

Fourth Semester	14 credits
MATH 2220 Differential Equations with Linear Algebra	4
Goal Area 5 elective	3
Goal Area 6 elective	3
Physical Education/Health Elective	1
Unrestricted elective credits	3

**Total Credits 60**



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Below is a list of suggested unrestricted electives:

Course	Course Title	Credits	MnTC Goal Area
CIS 1415	Introduction to Programming	4	
MATH 2210	General Statistics	3	4
PHYS 1201	Intro to Physics I	5	3
PHYS 1202	Intro to Physics II	5	3

For interpretation of test results and selection of appropriate coursework; or general information about the program, admissions, financial aid, and getting started at LSC, contact the [professional advising team](mailto:advising@lsc.edu) (advising@lsc.edu) or 218-733-7601

For more information about the Mathematics AA Transfer Pathway including course descriptions, course prerequisites, and potential career opportunities, see program website: [program website](https://degrees.lsc.edu/mathematics-transfer-pathways/) (https://degrees.lsc.edu/mathematics-transfer-pathways/)

or

Contact Faculty

[Randi Zimmerman](mailto:randi.zimmerman@lsc.edu) (randi.zimmerman@lsc.edu) at 218-733-7663



MINNESOTA STATE

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All courses in diploma and/or certificate programs are acceptable for credit toward Lake Superior College degree programs as indicated on individual program planners. This is not a contract; Lake Superior College reserves the right to change the planner as necessary. This document is available in alternative formats upon request, by contacting [Disability Services](#) or (218) 733-7650 or MRS/TTY (800) 627-3529.