MATHEMATICS TRANSFER PATHWAY, A.A.

Mathematics Transfer Pathway, A.A.

Overview

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.

Locations

Canby,Granite Falls,Jackson,Online,Pipestone,Worthington

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

General AA Degree Requirements

Requirements:

- 1. A minimum of **60 credits**, **15** of which must be earned at Minnesota West Community & Technical College (residency).
- 2. A grade point average of 2.0 ("C") or better.
- 3. A minimum of **40 credits** of general education that fulfill the **ten** areas of the Minnesota Transfer Curriculum (MTC).
 - a. Courses may count in no more than two of the areas of emphasis, but no individual course can count more than once in Areas 1-6.
- b. One-credit courses will apply to the MTC only if two or more one-credit courses are completed in the same discipline. 4. STSK 1110 Freshman Seminar (1) credit.
- 5. A minimum of **four credits** from two of the following areas: HLTH 1101, CSCI 1102, or any PHED course.
- 6. Electives sufficient to total **60 credits**.
- 7. NOTE: Many colleges and universities require a grade of C or better and cumulative GPA of 2.0 or better. Be sure to check these details with the institution and program to which you desire to transfer.

Program Learning Outcomes:

After completing the Mathematics Transfer Pathway AA, students will:

- Use mathematical knowledge to formulate appropriate models and problem-solving approaches in diverse contexts.
- Utilize computing skills for problem-solving, data analysis, and visualization.
- Effectively communicate problem-solving methods and findings.

Course Number	Course Title	Credits
Required Courses for Major:		
MATH 1121	Calculus I	4
MATH 1122	Calculus II	4
MATH 2201	Calculus III	4
ENGL 1101	Composition I	3
CMST 1101	Public Speaking	3
PSYC 1101	Introduction to Psychology	4
STSK 1110	Freshman Seminar	1
CSCI 1102	Computer Applications I	3
	Total Required Credits	30
Restricted Electives in Major:		
MATH 2206	Ordinary Differential Equations AND/OR	4
MATH 2210	Linear Algebra	4
	Total Restricted Electives	4
	Electives from MnTC Goal Areas:	
Goal Area 1 Communications:		
Choose 1		
ENGL 1102	Composition II	3

Course Number	Course Title	Credits
ENGL 1130	Introduction to Creative Writing	3
ENGL 2276	Compsition: Technical Writing	3
Goal Area 2 Critical Thinking:		
Fullfilled within 20 credits of electives		
Goal Area 3 Natural Sciences:		
Choose 1		
BIOL 1100	Survey of Biological Science	3
PHYS 1201	Fundamentals of Physics I	4
CHEM 1100	Introduction to Chemistry	3
Goal Area 4 Mathematical/Logical Reasoning:		
	Met by MATH 1121 requirements	
Goal Area 5 History and the Social and Behavorial Sciences:		
	PSYC 1101 (required) and at least 5 more qualifying credits	5
Goal Area 6 The Humanties and Fine Arts:		
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	Minumum of 9 qualifying electives	9
Goal Area 7 Human Diversity:		
	Choose from qualifying electives	2-4
Goal Area 8 Global Perspective:		
	Choose from qualifying electives	2-4
Goal Area 9 Ethical & Clvic Responsibilty:		
	Choose from qualifying electives	2-3
Goal Area 10 People and the Environment:		
	Choose from qualifying electives	2-3
	TOTAL CREDITS	60

Notes:

All courses in the Mathematics Transfer Pathway associate degree will directly transfer and apply to designated bachelor's degree programs in a related field at these Minnesota State universities:

Designated Bachelor's Degrees

University	Transfer Requirements	
Bemidji State University	Mathematics, BS	
Metropolitan State University	Industrial and Applied Mathematics, BS	
Minnesota State University, Mankato	Mathematics, BS	
Minnesota State University, Moorhead	Mathematics, BA	

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	Mathematics, BS	
Southwest Minnesota State University	Mathematics, BA	
St. Cloud State University	Mathematics, BA	
Winona State University	Mathematics, BA	

Transfer and Major Admission Requirements for Bachelor's Degrees

University	Transfer Requirements	Major Admission Requirements
Bemidji State University	Bemidji State University Admissions Policies & Procedures (PDF)	Mathematics, B.S. major
Metropolitan State University	Metropolitan State University - Transfer Students	Industrial & Applied Mathematics BS
Minnesota State University, Mankato	Minnesota State University, Mankato Transfer Student Admissions	Mathematics, BS
Minnesota State University, Moorhead	Minnesota State University, Moorhead Transfer Student Admissions	Mathematics, BA
		Mathematics, BS
Southwest Minnesota State University	Southwest Minnesota State University Transfer Admissions	Mathematics, BA
St. Cloud State University	St. Cloud Strate University Transfer Admissions	Mathematics, BA
Winona State University	Winona State University Transfer Admissions	Mathematics, BA