

## MATHEMATICS TRANSFER PATHWAY AA

**Purpose:** 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.

**Award:**

*Mathematics Transfer Pathway A.A. Degree.....60 credits total*  
*Total Computer Science Curriculum ..... 20 credits*  
*MnTC Curriculum/General Education ..... 40 credits*

### RECOMMENDED FULL-TIME COURSE SEQUENCE

Not all courses are scheduled every semester. See course schedule: <https://eservices.minnstate.edu/registration/search/basic.html?campusid=306>.

<b>Semester 1</b>		<b>Semester 2</b>	
FYEX 1000 College Success Strategies	1 cr	MATH 1128 Calculus II	5 cr
MATH 1127 Calculus I (Goal 4)	5 cr	Communications (Goal 1)	3 cr
ENG 1117 Reading and Writing Critically I (Goal 1)	4 cr	COMM1114 Fundamentals of Public Speaking	
MnTC (Goal 3, 5, 6, 7, 8, 9, or 10) electives	6 cr	or	
		COMM 1130 Interpersonal Communication	
		ENGL 1118 Reading & Writing Critically II (Goal 1)..	4 cr
		MnTC (Goal 3, 5, 6, 7, 8, 9, or 10) electives	3 cr
<b>Total Credits</b>	<b>16</b>	<b>Total Credits</b>	<b>15</b>
<b>Semester 3 or 4 (Fall Semester)</b>		<b>Semester 3 or 4 (Spring Semester)</b>	
MATH 2238 Differential Equations and Linear Algebra	5 cr	MATH 2237 Multivariable and Vector Calculus	5 cr
MnTC (Goal 3, 5, 6, 7, 8, 9, or 10) electives	9 cr	Program Elective	4 cr
		MATH 2350 Introduction to Mathematical Statistics	
		or	
		MATH 2218 Discrete Mathematics	
		MnTC (Goal 3, 5, 6, 7, 8, 9, or 10) electives	6 cr
<b>Total Credits</b>	<b>14</b>	<b>Total Credits</b>	<b>15</b>

Course descriptions can be found at: <https://www.rctc.edu/academics/courses/course-descriptions>.

### RECOMMENDED PART-TIME COURSE SEQUENCE

Not all courses are scheduled every semester. See course schedule: <https://eservices.minnstate.edu/registration/search/basic.html?campusid=306>.

<b>Semester 1</b>		<b>Semester 2</b>	
FYEX 1000 College Success Strategies	1 cr	MATH 1127 Calculus I (Goal 4)	5 cr
ENG 1117 Reading and Writing Critically I (Goal 1)	4 cr	MnTC (Goal 3, 5, 6, 7, 8, 9, or 10) electives	3 cr
MnTC (Goal 3, 5, 6, 7, 8, 9, or 10) electives	3 cr		
<b>Total Credits</b>	<b>8</b>	<b>Total Credits</b>	<b>8</b>
<b>Semester 3 or 4 (Fall Semester)</b>		<b>Semester 3 or 4 (Spring Semester)</b>	
MATH 1128 Calculus II	5 cr	Program Elective	4 cr
ENGL 1118 Reading & Writing Critically II (Goal 1)	4 cr	MATH 2350 Introduction to Mathematical Statistics	
		or	
		MATH 2218 Discrete Mathematics	
		MnTC (Goal 3, 5, 6, 7, 8, 9, or 10) electives	3 cr
<b>Total Credits</b>	<b>9</b>	<b>Total Credits</b>	<b>7</b>

<b>Semester 5 or 6 (Fall Semester)</b> MATH 2238 Differential Equations and Linear Algebra MnTC (Goal 3, 5, 6, 7, 8, 9, or 10) electives <b>Total Credits</b>	5 cr 3 cr <b>8</b>	<b>Semester 5 or 6 (Spring Semester)</b> MATH 2237 Multivariable and Vector Calculus MnTC (Goal 3, 5, 6, 7, 8, 9, or 10) electives <b>Total Credits</b>	5 cr 3 cr <b>8</b>
<b>Semester 7</b> Communications (Goal 1) COMM 1114 Fundamentals of Public Speaking or COMM 1130 Interpersonal Communication MnTC (Goal 3, 5, 6, 7, 8, 9, or 10) electives <b>Total Credits</b>	3 cr 3 cr <b>6</b>	<b>Semester 8</b> MnTC (Goal 3, 5, 6, 7, 8, 9, or 10) electives <b>Total Credits</b>	6 cr <b>6</b>

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