

**CONCORDIA COLLEGE – MOORHEAD, MN**  
**Major in Mathematics Education**

The major in Mathematics Education prepares students to be recommended by the  
 Concordia College Department of Education for Minnesota licensure to teach in grades 5-12.  
 Courses fulfill standards for MN Rule 8710.4600

**The requirements are 42 credits plus 32 credits in education:**

<b>Course Number</b>	<b>Course Description</b>	<b>Semester Hours</b>	<b>Status</b>
MATH 121	Calculus I	4	
MATH 122	Calculus II	4	
MATH 207	Discrete Math	4	
MATH 210	Linear Algebra	4	
MATH 223	Calculus III	4	
MATH 315	Probability and Mathematical Statistics	4	
MATH 320	Geometry	4	
MATH 325	Modern Algebra I	4	
MATH 402	Senior Seminar	2	
<b>4 additional credits in mathematics, from courses numbered 300 or above</b>		4	
<b>4 credits in applied statistics chosen from the following:</b>		4	
ECON 274	Introduction to Business and Economic Statistics (4 cr.)		
PSYC 230	Statistics and Psychological Measurement (4 cr.)		
SOC 228	Research Methods and Statistics (4 cr.)		
Math 205	Introduction to Statistics (4 cr.)		
<b>Required Methods Courses:</b>			
EDUC 384	Methods of Teaching in Mathematics	4	
<b>Required Education Courses:</b>			
PSCY 212	Educational Psychology	4	
EDUC 210	Foundations in K-12 Education	2	
EDUC 221	Teaching in the Middle School	2	
EDUC 350	The Art and Science of Teaching	2	
EDUC 351	Ecology of the Educational Setting	2	
EDUC 399	Orientation to Student Teaching	0	
EDUC 420	Knowledge, Literacy and Inquiry	2	
EDUC 425	Education of the Exceptional Child	2	
EDUC 439	Human Relations	2	
EDUC 498	Student Teaching	10	