

SECONDARY EDUCATION - MATHEMATICS (A)

Mathematics is an aspect of our everyday lives and an important part of our culture. Applications of Mathematics are found in many disciplines today, including the physical sciences, biological sciences, business, economics, computer science and psychology.

The Concordia University Ann Arbor School of Education adheres to the Michigan Test for Teacher Certification, which states that upon completion of the program, students will be able to:

- Understand the mathematical processes and number concepts
- Describe, analyze, and generalize mathematical patterns and functions
- Understand and apply measurement and geometric principles
- Understand methods of collecting, organizing, displaying, analyzing and interpreting data
- Understand the theory of probability
- Teach Mathematics to 6-12 grade students

Code	Title	Hours
Mathematics Major: Secondary Education		
STATE ENDORSEMENT CODE: EX		
MTTC TEST CODE: 022		30
		credits

Required Courses

MATH 201	Calculus I (4 credits)
MATH 202	Calculus II (4 credits)
MATH 205	Statistics I (3 credits)
MATH 220	Discrete Math (3 credits)
MATH 321	Abstract Algebra (3 credits)
MATH 325	Linear Algebra and Differential Equations (4 credits)
MATH 331	Geometry (3 credits)
MATH 441	Real Analysis (3 credits)
MATH 461	Probability & Statistics (3 credits)