

M.A. IN MATHEMATICS FOR TEACHERS

YORK
UNIVERSITÉ
UNIVERSITY



2-3 year program

for mathematics teachers in Ontario
(greater greater Toronto region - 6+million)

offered since the late 60's

Prototypical applicant :

- a secondary school teacher of mathematics
- major in mathematics with B+ or better average

Typical applicant :

- a major in a mathematics related field but currently teaching mathematics

Motivation :

- masters degree makes eligible for promotion or pay grade increase
- interested in learning about the mathematics they teach in their classrooms
 - challenge, fun or entertainment
- possible interest in mathematics education

courses are in the evenings on campus

3 hours 1 evening/week

two required courses "Fundamentals" and "History"

little common mathematical background of students

there is a need/audience

professional degree

connection with math ed

not a route to a PhD in math

algebra

analysis

image processing

probability

statistics

modeling

geometry

logic

graph theory

+++