

**MASTER OF ARTS IN TEACHING**

**Mathematics Education   
SUMMER DEGREE PROGRAM**

FALL 2019

The Departments of Mathematics and Teacher Education will offer three required courses this summer:

**Summer Y Term (June 15 – July 3, 2020)**

MTH 607, *Algebra for Secondary Teachers*

Instructor: Dr. Dana Cox

Monday – Friday, 9:30am -12:00pm

Miami University Voice of America Campus

EDT 663*, Advanced Methods for AYA Mathematics*

Instructor: Dr. Todd Edwards

Monday – Friday, 12:30 pm -3:00 pm

Miami University Voice of America Campus

**Summer W Term (June 15 – August 2, 2020)**  
MTH 609,*Data Analysis and Inference for Secondary Teachers*

Instructor: Dr. Wayne Nirode

Online Course

## Summer 2020 Course Offerings

The Teacher Education Access at Miami or TEAM scholarship assists licensed K-12 educators as they work toward a graduate degree and/or take courses or workshops as part of their professional development plans.  Miami University offers 50% graduate tuition scholarships to Ohio’s K-12 licensed educators, who are Ohio residents and full-time teachers.

In addition, the Department of Mathematics offers fellowships to several mathematics teachers each summer. Alberta Wolfe Graduate Fellowships in Mathematics Education will cover a majority of the remaining tuition costs. Applicants for a Wolfe fellowship must be candidates for a M.A.T. degree in the department and must enroll for at least 6 hours of approved summer courses that will count toward their degree. They must also be certified to teach secondary school mathematics and have at least one year of full-time mathematics teaching experience. Priority consideration will be given to applications that are received by May 1, 2020. More information about TEAM Scholarships and Wolfe Fellowships is available at the MAT website.

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# An Affordable Option: How to Finance your Masters’ Degree

**Special Interest**

**Articles**

• How to Finance your Masters Degree

• Summer 2020 Courses

• M.A.T. Program Requirements

• What do teachers have to say about the M.A.T. classes?

**For More**

**Information**

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To address the growing need for high-quality mathematics teachers, Miami University offers an affordable Master of Arts in Teaching degree. This challenging and useful degree is designed especially for working secondary mathematics teachers and can be completed in three consecutive summers.

Faculty in Mathematics

Dr. Dana Cox

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Dr. Suzanne Harper

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Dr. Jane Keiser

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Dr. Wayne Nirode

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Faculty in Teacher Education

Dr. Michael Todd Edwards

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Master of Arts in Teaching Summer Degree Program

The program’s objectives are:

* To increase teachers' mathematical knowledge and ability to solve problems and reason mathematically;
* To develop teachers' awareness of applications and relevant topics in mathematics and statistics; and
* To improve teachers' ability to utilize technology in mathematical problem solving and teaching mathematics.

Overview of the program:

* For admission into the M.A.T. program, candidates must be certified to teach mathematics and have at least one year of full-time mathematics teaching experience.
* 30 semester hours of coursework are required including:   
  MTH 508: Problem Solving with Technology  
  MTH 604: Discrete Mathematics for Secondary School Teachers  
  MTH 605: Calculus for Secondary School Teachers  
  MTH 606: Geometry for Secondary School Teachers  
  MTH 607: Algebra for Secondary School Teachers  
  MTH 609: Data Analysis and Inference for Secondary Teachers

EDT 663: Advanced Methods for AYA Mathematics  
MTH 689: Research in Math Education; and   
Two electives courses selected to improve the candidate's ability to teach mathematics.

* Candidates must conduct an independent research study.

## What do our teachers have to say about the MAT classes?

*“I really enjoy this class* [MTH606]*. I have taught geometry for six years, and I have still learned plenty already. I have seen many new ideas that I can take back to my class.”*

*“I wish that all of my department could have taken this class* [MTH 508] *so they could also take the technology exposure back to their students.”*

*“As a student I learned quite a bit of mathematics. I’m not quite sure if I had just forgotten it, or was truly never taught it. As a teacher, I learned several techniques and activities that I really believe I will implement in my own classroom.”*

**For more information visit bit.ly/MiamiOH\_MAT**

