

**MASTER OF ARTS IN TEACHING**

**Mathematics Education   
SUMMER DEGREE PROGRAM**

SPRING 2021

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

**Summer Y Term (June 14 – July 2, 2021)**

MTH 508, *Problem Solving with Technology*

Instructor: Dr. Wayne Nirode

MTRF, 9:00am -12:00pm

Face to Face: Miami University Voice of America Campus

EDL 621, *Foundations of Multicultural Education*

Instructor: Dr. Ganeva Reyes

Wednesday, 11:30am -3:30pm online synchronous

Other times online asynchronous

**Summer Z Term (July 12 – July 30, 2021)**  
MTH 606,*Geometry for Secondary Teachers*

Instructor: Dr. Jane Keiser

MTWF 10:00am - 12:00pm

R 10:00am - 2:30 pm

Face to Face: Miami University Voice of America Campus

## Summer 2021 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 portion 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, 2021. More information about TEAM Scholarships and Wolfe Fellowships is available at the MAT website.

**Continued on page 2**

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

**Special Interest**

**Articles**

• How to Finance your Masters Degree

• Summer 2021 Courses

• M.A.T. Program Requirements

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

**For More**

**Information**

Dr. Jane Keiser

Department of Mathematics

Miami University

Oxford, Ohio 45056

Phone:

(513) 529-5818

Fax:

(513) 529-1493

E-Mail:

[keiserjm@MiamiOH.edu](mailto:keiserjm@MiamiOH.edu)

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

Ph.D., Western Michigan University

[dana.cox@miamioh.edu](mailto:dana.cox@miamioh.edu)

Dr. Suzanne Harper

Ph.D., University of Virginia

[harpersr@miamioh.edu](mailto:harpersr@miamioh.edu)

Dr. Jane Keiser

Ph.D., Indiana University

[keiserjm@miamioh.edu](mailto:keiserjm@miamioh.edu)

Dr. Wayne Nirode

Ph.D., Ohio University

nirodew@miamioh.edu

Faculty in Teacher Education

Dr. Michael Todd Edwards

Ph.D., Ohio State University

[edwardm2@miamioh.edu](mailto:edwardm2@miamioh.edu)

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.

* Over the three years, candidates must develop a portfolio with a professional narrative that will be presented to faculty and peers at the end of the third summer.

Master of Arts in Teaching Summer Degree Program

## 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**

