X= = Sub. x to find Find the vertex y  $y = ax^2 + b$  $(x-4)^{2}+2$  $(-h)^{2}+K$ 2 = -4

**ONLINE ONLY!** 

# GRADUATE PROGRAM IN MATHEMATICS INSTRUCTIONAL LEADERSHIP

MATHEMATICS INSTRUCTIONAL LEADERSHIP, M.S.

1893

HOOD.EDU/MATHLEAD

"Through my graduate degree coursework and practicum, I have been able to expand and deepen my understanding of mathematical concepts. I have also been able to learn coaching pedagogy to improve my leadership skills."

Ally Golightly, Mathematics Instructional Leadership, M.S.'21

## MATHEMATICS INSTRUCTIONAL LEADERSHIP AT A GLANCE

Although it is an essential part of everyday life, math is frequently ranked as one of the most challenging subjects for students. Having strong elementary and middle school math teachers is paramount to instilling a strong STEM foundation in children. Our program is designed for currently certified teachers seeking to advance their credentials with a Maryland State Department of Education Mathematics Instructional Leadership endorsement. We combine rigorous study in mathematics content with education and leadership courses to equip you with the skills to foster student success.

## UPGRADE YOUR EDUCATION

#### **COMPREHENSIVE CURRICULUM**

Coursework in modern mathematics methods, algebraic and geometric thinking, educational leadership, curriculum development and more.

#### **EXPERIENTIAL LEARNING**

Practicum in mathematics instructional leadership provides firsthand experience working with real students in the classroom.



#### **UNIQUE CONCENTRATIONS**

Choose between tracks in grades PreK-6 or grades 4-9 to meet your goals.

#### **STATE ENDORSEMENT**

Completion of our program meets the requirements for the Maryland State Department of Education Mathematics Instructional Leadership endorsement.

#### **ONLINE LEARNING**

All courses are offered fully online, allowing you greater flexibility to work at your own pace and at your desired location.









## **CAREERS IN MATHEMATICS INSTRUCTIONAL LEADERSHIP**

#### **INCREASE YOUR SALARY**

The Pew Research Center reports that STEM education specialists receive a significant pay advantage compared to non-STEM colleagues.

#### **BROADEN YOUR PEDAGOGY**

Become qualified to teach a wide range of mathematics-related subjects, as well as curriculum and instructional development.

#### **MAXIMIZE YOUR POTENTIAL**

As schools continue to emphasize STEM education, your master's will make you an attractive and highly sought candidate.

#### **LOCAL CONNECTION**

Frederick County Public Schools, Montgomery County Public Schools and Washington County Public Schools are some of the region's top employers.

#### **SPECIAL-ED FOCUS**

Enhance your diversity-inclusion skillset by completing a weekly online workshop to earn credit towards your MSDE special education requirement.



## THE HOOD EXPERIENCE

#### AFFORDABLE

- Our tuition rates are among the lowest in the region.
- We offer numerous funding plans, graduate assistantships and scholarships.
- You may qualify for an annual tuition discount of \$1,000 through our NeighborHOOD Partners Program.

#### **EXPERT FACULTY**

- Our distinguished professors are practitionerbased and maintain industry connections in their respective fields.
- Small class sizes and a low student-toteacher ratio ensure our students receive personalized attention.

#### **DIVERSE AND INCLUSIVE**

Our graduate school population comprises more than **1,000** students from **19** states and **25** different countries. We welcome students from all backgrounds, regardless of race, gender or gender identity, age, nationality, socioeconomic status or other demographic factors.

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