

# EQUITABLE MATHEMATICS EDUCATION LEADERSHIP (Z173)

Graduate Certificate Program  
College: Education

## ABSTRACT

This program aims to enhance teachers' ability to teach and lead efforts aimed at transforming PK-12 mathematics education by fostering deep mathematical understanding and promoting instructional practices aligned with contemporary mathematical standards, which uphold ambitious expectations across all grade levels. Additionally, teachers will develop the knowledge and skills to design, assess, and deliver mathematically problem-solving tasks that require students to explain their reasoning, justify solutions, engage in problem solving, construct mathematical arguments, and critique the reasoning of others. Teachers will be prepared to elevate and harness students' diverse social, cultural, linguistic, contextual, and cognitive assets for the learning of mathematics.

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**Website:** <http://www.education.umd.edu> (<http://www.education.umd.edu/>)

**Courses:** EDUC (<https://academiccatalog.umd.edu/graduate/courses/educ/>)

## ADMISSIONS

### GENERAL REQUIREMENTS

- Statement of Purpose
- Transcript(s)
- TOEFL/IELTS/PTE (international graduate students (<https://gradschool.umd.edu/admissions/english-language-proficiency-requirements/>))

### PROGRAM-SPECIFIC REQUIREMENTS

- Contact department for details

## APPLICATION DEADLINES

Type of Applicant	Fall Deadline	Spring Deadline
<b>Domestic Applicants</b>		
US Citizens and Permanent Residents	Contact dept. for details	Contact dept. for details

## RESOURCES AND LINKS:

**Program Website:** [education.umd.edu/research/centers/ceii/what-we-do-0/leadership-development/umd-school-improvement-leadership](http://education.umd.edu/research/centers/ceii/what-we-do-0/leadership-development/umd-school-improvement-leadership) (<https://education.umd.edu/research/centers/ceii/what-we-do-0/leadership-development/umd-school-improvement-leadership/>)

**Application Process:** [gradschool.umd.edu/admissions/application-process/step-step-guide-applying](https://gradschool.umd.edu/admissions/application-process/step-step-guide-applying) (<https://gradschool.umd.edu/admissions/application-process/step-step-guide-applying/>)

## REQUIREMENTS

- Equitable Mathematics Education Leadership, Post-Baccalaureate Certificate (P.B.C.) (<https://academiccatalog.umd.edu/graduate/programs/equitable-mathematics-education-leadership-z173/equitable-mathematics-education-leadership-pbc/>)