

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

- Letter of Recommendation
- CV/Resume

APPLICATION DEADLINES

Type of Applicant	Fall Deadline
Domestic Applicants	
US Citizens and Permanent Residents	June 2, 2026
International Applicants	

F (student) or J (exchange visitor) N/A
visas; A,E,G,H,I and L visas and immigrants

RESOURCES AND LINKS:

Program Website: 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/>)

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/>)