

# MATHEMATICS TEACHER LEADERSHIP, GRADUATE CERTIFICATE

This certificate program provides teachers with current professional knowledge of mathematics teaching, learning trajectories, and assessment. It also imparts mathematical knowledge specialized for teaching and content-focused coaching strategies to improve instruction and student learning in mathematics.

Certificate completers will be positioned to contribute mathematics leadership as members of collaborative professional learning communities in schools, school districts, and other educational settings.

## Admission Requirements

### Application Deadlines

Application deadlines vary by program, please review the application deadline chart (<http://uwm.edu/graduateschool/program-deadlines/>) for specific programs. Other important dates and deadlines can be found by using the One Stop calendars (<https://uwm.edu/onestop/dates-and-deadlines/>).

### Admission

Applicants must have completed a bachelor’s degree with a 2.75 undergraduate GPA or a graduate degree with a minimum 3.0 GPA and must have teaching experience in mathematics.

### Application

- Students wishing to obtain this certificate must declare their intention by applying to the program office or director.
- All graduate certificate applicants—even those already enrolled in a UWM graduate program—must apply to the Graduate School through the Panthera Admission Application (<https://graduateschool-apply.uwm.edu/>).
- Graduate degree and previously admitted graduate non-degree students who decide to pursue a certificate program must submit the Panthera application before completing 6 credits in the certificate sequence.
- Applicants must possess a baccalaureate degree and have a minimum 2.75 cumulative undergraduate grade point average to be admitted in to a certificate program.

## Credits and Courses

Students complete 15-credits of coursework, including courses in instructional improvement, mathematics education, and mathematics instruction leadership.

| Code                                   | Title  | Credits |
|--|--|---------|
| <b>Instructional Improvement</b>       |  |         |
| Select 3-6 credits from the following: |  | 3-6     |
| CURRINS 560                            | Improving Mathematics Teaching and Learning: (Subtitled)         |         |
| CURRINS 714                            | Analysis of Instruction to Improve Teaching and Learning         |         |
| CURRINS 715                            | Guiding Instructional Improvement                                |         |
| CURRINS 725                            | Improving Teaching and Learning with Classroom-Based Assessments |         |

### Mathematics Education

|   |  |      |
|---|--|------|
| Select 6-10 credits from the following: |  | 6-10 |
| CURRINS 580                             | Mathematics Education: (Subtitled)   |      |
| CURRINS 720                             | Curriculum and Standards for School Mathematics                                |      |
| CURRINS 624                             | Instructional Trajectories for Fraction Concepts and Operations                |      |
| CURRINS 625                             | Principles and Practices of Teaching Geometry and Geometric Thinking           |      |
| CURRINS 626                             | Principles and Practices of Teaching Algebraic Reasoning                       |      |
| CURRINS 730                             | Mathematics in Elementary Education  |      |
| CURRINS 731                             | Mathematics in the Secondary School  |      |
| CURRINS 779                             | Current Topics in Curriculum and Instruction: (Mathematics education subtitle) |      |

### Capstone

|             |                                      |   |
|-------------|--------------------------------------|---|
| CURRINS 761 | Mathematics Instructional Leadership | 3 |
|-------------|--------------------------------------|---|

**Total Credits** 12-19

## Additional Requirements

### Transfer Credit

No more than 20% of the required credits may be taken at an institution other than UWM. Transfer credits will be considered only if the applicant can provide evidence that the course is substantially the same as an approved course in the certificate program. These courses are subject to Graduate School transfer policy and must be approved by the director of the certificate program.

### Grade Point Average Requirement

A minimum cumulative 3.00 grade point average in certificate courses taken at UWM is required.

### Articulation with Degree Programs

1. Credits and courses required for a certificate may double count toward meeting UWM graduate degree requirements subject to the following restrictions:
  - Degree programs must approve the courses from certificates that can double count toward the degree.
  - All credits taken in completion of certificate requirements may count towards a UWM graduate degree as long as they do not contribute more than 90% of the total credits needed to obtain the degree. (Note: Students in PhD programs must still complete the minimum residency requirements)
  - Certificate courses used toward meeting degree requirements must be completed within the time limit for transfer credit.
2. Courses completed for a degree may be counted toward a subsequent certificate, subject to all certificate policy requirements.
3. A course may count toward no more than one certificate and one degree.
4. Students may not earn a certificate subsequent to a concentration in the same area.

### Time Limit

Certificate program time limits shall be established as follows:

- 18 or fewer credits/Three years from initial enrollment in the certificate sequence.

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- 19 or more credits/Four years from initial enrollment in the certificate sequence.

For certificates that are designed as add-ons to degree programs and are awarded concurrent with the degree, the time limit shall be the same as that of the degree program.