

## The Math TLC Master's in Mathematics for Secondary Teachers Program

### Electronic Application Form

#### Instructions

Save your completed application a filename of the form: "*LastName-FirstName-MP-ApplicationForm.doc*"

You may then attach the file to your email application along with the other requested documents (see the Master's Application Checklist on [www.mathtlc.org](http://www.mathtlc.org) for more information).

#### Information about You

Name:

Preferred Email Address:

Home Mailing Address:

Preferred Phone Number:

Alternate Phone Number:

#### Information about Your Educational Background

##### Information about the Degree(s) You Earned

Undergraduate Degree(s) Earned

Degree (e.g., BS)	Year	Major(s)	Institution

Graduate Degree(s) Earned

Degree (e.g., MA)	Year	Major(s)	Institution

##### Information about Your Mathematics Background

Our expectation for math content preparation is that participants will have completed at least 30 semester credits of undergraduate mathematics courses at the calculus level or above. Please compile from your transcripts and list in the table below information about all the math courses you have taken at the undergraduate and graduate levels. Also, please determine your grade point average of the mathematical sciences courses listed below.

Prefix	Course Number	Course Title	Credit Hours*	Grade
				Grade point average:

\*Semester Credit Hour Equivalent

##### Information about Your Mathematical Sciences Background

Although the program is intended for current secondary mathematics teachers, related coursework in statistics and computer science is often part of this background. Please compile from your transcripts and list in the table below

information about all the statistics and computer science courses you have taken at the undergraduate and graduate levels. Also, please determine your grade point average of the courses listed below.

Prefix	Course Number	Course Title	Credit Hours*	Grade
Grade point average:				

\*Semester Credit Hour Equivalent

If you haven't met the expectation for 30 hours of mathematics but believe you should still be considered for admission, briefly explain why.

## Information about Your Teaching Background

### Information about Your Teaching History

How many years have you taught mathematics?

How many years have you taught mathematics at the following levels?

    years at the elementary level (K-5)

    years at the middle school level (6-8)

    years at the high school level (9-12)

At which level(s) have you taught for the past five years?

### Information about What You Currently Teach

Are you teaching full time? Part time?

What percent of your teaching load is mathematics?                    %

What course(s) and grade level(s) are you currently teaching in 2010-2011?

## Information about Your Teaching Credentials

### Colorado: Teaching License/Endorsements You Currently Hold

Options include: secondary education (7-12), elementary education (K-6), mathematics endorsement, emergency certification, in the process of obtaining alternative certification, other (specify), none

### Wyoming: Teaching License/Endorsements You Currently Hold

Options include: secondary mathematics (6-12), middle level mathematics (5-8), elementary teacher (K-6), emergency certification, in the process of obtaining alternative certification, other (specify), none

### Other Locales: Teaching License/Endorsements You Currently Hold

If you currently hold teaching certification in another state or country, please specify the exact title of your certificate/license, the state or country, and endorsement areas.

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## Information about the School and School District Where You Currently Teach

### Information about Your Position within the School District

Your School District:

Your School:

Principal's Name:

School Phone Number:

School Address:

Your Total Years Teaching: \_\_\_\_\_ years

Years in Your District: \_\_\_\_\_ years

Years in Your School: \_\_\_\_\_ years

### Information about Your School's Demographics/Disaggregated Groups

Ethnicity:

\_\_\_\_\_ % American Indian or Alaskan Native

\_\_\_\_\_ % Asian or Pacific Islander

\_\_\_\_\_ % Black

\_\_\_\_\_ % Hispanic/Latino

\_\_\_\_\_ % White

Gender:

\_\_\_\_\_ % Female

\_\_\_\_\_ % Male

Additional Information:

\_\_\_\_\_ % Economically Disadvantaged/Free and Reduced Lunch

\_\_\_\_\_ % English Language Learners

\_\_\_\_\_ % Gifted and Talented

\_\_\_\_\_ % Migrant

\_\_\_\_\_ % Students with Disabilities

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## Other Information about You

List and briefly describe up to 5 mathematics professional development programs in which you have participated.

List any related Honors, Awards, and Professional Associations of which you are a member.

How did you hear about the Math TLC and the Master's in Mathematics for Secondary Mathematics Teachers?

Website

School district personnel

Other (please specify):

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**Confidential Information about You**

**(OPTIONAL)**

**Your Ethnicity:**

- Not Hispanic or Latino
- Hispanic or Latino
- Do not want to provide this information

**Your Race:**

(check all that apply)

- White
- American Indian or Alaskan Native
- Asian
- Black or African American
- Native Hawaiian or other Pacific Islander
- Other:
- Do not want to provide this information

**Your Gender:**

- Female
- Male
- Do not want to provide this information

**Disability:**

- None
- Hearing Impaired
- Mobility or Orthopedic Impaired
- Other:
- Do not want to provide this information

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**Anything else?**

**(OPTIONAL)**

Please feel free to add any additional comments or thoughts here about your application.

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## Essays

Your typed responses to the following three prompts are an important part of the evaluation of your application. Responses should be thoughtful, clear, and reflect who you are as a teacher. Please write a 500-750 word response to each prompt.

**Note:** Save the responses as one document with page breaks between each prompt and a filename of the form “*LastName-FirstName-MP-Essays.doc*”.

Essay Question 1: Describe how you structure math classes that you teach. What would a student experience in this class? What would a visitor see if they came to this class?

Essay Question 2: Describe your professional goals, your interest in pursuing a master's in math, and how these align with one of the Math TLC goals (listed below).

Essay Question 3: Describe yourself as a learner of mathematics and why you decided to become a math teacher.

### **Math TLC Goals for the Master's in Mathematics for Secondary Teachers**

Upon completion of the master's degree, teachers will have

M1: Extended their **content knowledge** beyond the content they customarily teach to students and what they learned in their undergraduate mathematics courses.

M2: Developed skills to actively build their **pedagogical content knowledge**, enabling them to enlarge their repertoire of pedagogical methods, skills and knowledge congruent with *NCTM Principles and Standards for School Mathematics*, the *Colorado Model Content Standards* and the *Wyoming Mathematics Content and Performance Standards*.

M3: Evaluated and improved their teaching practice by regular engagement in **action research projects**.

M4: Developed their knowledge, skills and disposition to effectively teach math in **diverse classroom settings**.