

Mathematics Master Teacher Leadership (M²TL) program



Dr. Rajee Amarasinghe
Dr. Carol Fry Bohlin

Dr. Oscar Vega
Dr. Yaomingxin Lu

Program summary



- National Science Foundation funded (DUE-2243225)
- Robert Noyce Scholarship program (track 3) - Master Teaching Fellows (MTF)
- 6 year grant; 1.5 million
- California State University, Fresno
 - Dr. Rajee Amarasinghe (PI) - Mathematics Department
 - Dr. Carol Fry Bohlin (Co-PI) - Curriculum and Instruction Department
 - Dr. Yaomingxin Lu (Co-PI) - Mathematics Department

Collaborators



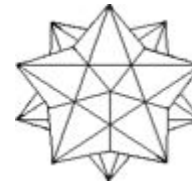
Central Valley Higher Education Consortium (CVHEC)

Fresno County Superintendent of Schools (FCSS)

San Joaquin Valley Mathematics Project (SJVMP)

Multiple school districts

Fresno Unified School District
Mendota Unified School District
Sanger Unified School District
Reef Sunset Unified School District
Central Unified School District



SAN JOAQUIN VALLEY
Mathematics
PROJECT

Open to Mathematics Teachers from any part of the San Joaquin Valley

Goals:

1. Support 18 exceptional mathematics teachers who either
 - a. ready to join M.S. degree program in Mathematics in Fall 2023 or
 - b. possess a master's degree in mathematics/mathematics education
2. Nurture them in a research-based leadership initiative
 - a. scaffolded over five years
 - b. help to develops their capacity to improve opportunities for all students
 - c. help to develop their pedagogy to offer equitable and inclusive mathematics experiences for all students
3. Provide multi-level mentoring to develop them to leaders in mathematics education

M2TL Benefits Expectations and Requirements (during a five-year period)

Cohort 1 (teachers who are pursuing master's degrees) Year 1&2
(follow Cohort 2 activities in years 3-6)

Benefits:

- Receive \$2000 from MSTI in year 1
- Receive \$10,000 each year as a salary supplement (Y2 -Y6)
- Receive additional NOYCE and MSTI funds towards travel to conferences
- Possibly receive tuition for master's degree classes in Y1 and/or Y2 from your school district
- Receive guidance from enthusiastic and experienced teacher leaders

M2TL Benefits Expectations and Requirements (during a five-year period)

Cohort 1-Teachers who will be pursuing Mathematics master's degree

Y1 - MSTI funds (\$2000) - Start in fall 2023

Y2 - Y6 - Noyce funds (\$50,000) - Start in fall 2024

Cohort 2 -Teachers who already have master's degrees (Math/Mathed)

Y1- Y5 - Noyce funds (\$50,000) - Start in Jan 2024

M2TL Benefits Expectations and Requirements (during a five-year period)

Cohort 1 (teachers who are pursuing master's degrees) Year 1
(follow cohort 2 activities years 3-6)

Requirements: :

- Complete M.S. in Mathematics degree in a timely manner (-2 years)
- Attend SJVMP's weekend Winter Leadership Retreat (Y1- Jan 26-27, 2024)
- Attend the SJVMP Summer Leadership Institute (Y1 -June 22 - 30, 2024)

M2TL Benefits, Expectations, and Requirements

Cohort 1 (teachers who are pursuing master's degrees) Year 1&2

Fall 2023	Spring 2024
Math 201: Cognition in Math Education (Virtual Synchronous)	Math 251: Abstract Algebra I
Math 291T Numerical methods in applied mathematics	Math 291T: Quantitative Analysis (Hybrid)
	Math 172: Intermediate Mathematical Analysis II
Fall 2024	Spring 2025
Math 200: Research Methods in Math Education (Virtual Synchronous)	Math 291T: Seminar <input type="text"/>
Math 271: Real Analysis	Math 298/299: Project/Thesis in Mathematics (Hybrid)
Math 290: Independent Study (possibly start in the summer - Hybrid)	

Tuition and fees for your degree

0-6 units (part-time) - \$2805.50

7+units (Full-time) – \$4311.50

These are based on spring 2023 Tuition and fees.

M2TL Benefits Expectations and Requirements (during a five-year period)

Cohort 2 - (Teachers who already have master's degrees)
(Y1-Y5) - Start in January 2024

Benefits :

- Receive \$10,000 each year as a salary supplement
- Receive additional NOYCE and MSTI funds towards travel to conferences and give presentations
- Receive multi level mentoring

M2TL Benefits Expectations and Requirements (during a five-year period)

Cohort 2 (Teachers who already have master's degrees)

Requirements (each year):

- Attend SJVMP's weekend Winter Leadership Retreat (Y1 - Jan 26-27,2024)
- Attend the SJVMP Summer Leadership Institute (Y1 - June 22-30, 2024)
- Join professional organizations and attend at least one mathematics education conference (CMC, NCTM, AMTE, etc.)
- Attend monthly mentoring meetings

M2TL Benefits Expectations and Requirements (during a five-year period)

Cohort 2 (Teachers who already have master's degrees)

Requirements:

- Mentoring meeting (professional sharing & guest speakers) **Fridays 4:30 - 7:00 PM**
2024 - Tentative
Feb 23,
March 29*,
April 26,

August 23*,
September 27,
October 25*,
November 29)

***Virtual**



M2TL Benefits Expectations and Requirements (during a five-year period)

Cohort 2 (Teachers who already have master's degrees)

Requirements (contd.):

Y2-Y5

- Bring a new teacher to the SJVMP Summer Leadership Institute

Y3-Y5

- Meet regularly with STEM professional mentors
- Participate in school curriculum development/coaching/professional learning (PL)/Lesson Study activities

Areas to provide mentoring help where M2LT can choose from: Y3-Y5 for both cohorts:

- Teach dual enrollment classes for your school
- Attend additional professional development opportunities using NOYCE/MSTI funds.
- Contribute to middle school and high school outreach activities for the CSU, Fresno teacher preparation programs.
- Participate in national curriculum development/assessment/framework development/workshops using school district funding
- Participate in Central Valley Mathematics Network (CVMN) meetings.
- Attend Statewide California Math Project (CMP) directors' meetings, networking with other projects

Areas to provide mentoring help where M2LT can choose from: Y3-Y5 for both cohorts:

- Bring teams of students to university Math competitions (i.e., SK Day/MFD/IB contests)
- Develop and conduct Math circle/Math club at their school site
- Take a leadership role in the California Mathematics Council and/or its regional affiliates: CMC-Central or the Fresno and Madera Mathematics Educators (FAM²E).
- Present at Noyce Track-1 seminars.
- Serve as clinical coaches and/or mentor teachers for our student teachers
- Conduct presentations/workshops for teachers in the region

Recruitment and selection

- Preference will be given to MTFs from districts that have the most severe shortages of math teachers.
- Efforts will include specific groups such as URM, women, and first-generation candidates.

Cohort 1

May 15th, 2023 - M2LT priority application deadline

June 1st, 2023- Fresno State Graduate program deadline (need to apply separately)
- any questions email Dr. Oscar Vega (ovega@csufresno.edu)

Cohort 2

June 15th, 2023 - M2LT priority application deadline

Commitments from school districts

- Give opportunity for Noyce Master Teaching Fellow to participate in curriculum development, professional development activities in the school/district.
- Allow Noyce Master Teaching Fellow to attend mathematics education conference/at least 1 per year
- Provide Professional Development funds for the Noyce Master Teaching Fellow: \$325 per teacher x 5 years = \$1,625. (if willing)
- Cost of Master's degree tuition for the final year in the master's program for Noyce Master Teaching Fellow: \$8,077 (optional)

Recruitment and selection

- Undergraduate and Graduate Transcripts
- Statement of interest with future goals for mathematics education
- Essay about personal accomplishments or Curriculum Vita (CV)
- Recommendations from school districts/teacher leader

Submit application through the website, google form

Information sessions



Mathematics Master Teacher Leadership (M²LT)

National Science Foundation

\$50,000 Robert Noyce Scholarship Program

Informational Session

For

Teachers with MS degrees or hoping to get an MS in Mathematics

Saturday April 15th, 2023 from 9:30–11:00 AM in Science 2 room 207

Thursday April 20th, 2023 from 6:30–8:00 PM @ [Zoom](#)

Saturday April 22nd, 2023 from 9:30–11:00 AM in Science 2 room 207



[Map and Directions](#)

Questions: Phone: Dawn Moate 559-278-2992

Email: ramarasi@csufresno.edu

Interested? Please complete "[google interest form](#)"



- **Saturday April 15th, 2023**
from 9:30–11:00 AM in Science 2 room 207
- **Thursday April 20th, 2023**
from 6:30–8:00 PM @ [Zoom](#)
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Program flyer



Mathematics Master Teacher Leadership program (M²TL)




Robert Noyce Scholarship Program
Funded by NSF Grant: DUE # 2243225






\$50,000 Scholarship
for **18 selected mathematics teacher leaders**

California State University, Fresno



Mathematics Master Teacher Leadership program (M²TL)

Robert Noyce Scholarship Program
Funded by NSF Grant: DUE # 2243225



Join the next generation of San Joaquin Valley mathematics teacher leaders!

This prestigious National Science Foundation funded program will provide the following opportunities:

- Receive \$10,000 each year for the next 5 years as a salary supplement for mathematics teachers
- Receive research-based leadership initiative scaffolded over five years
- Receive individual mentoring and small group mentoring by experienced teacher leaders
- Participate in pedagogical seminars by experienced mathematics education leaders
- Join professional organizations and travel to regional and national conferences
- Participate/conduct professional development, curriculum development and present at conferences
- Become a master teacher/mentor teacher for preservice math credential students.
- Join summer and year-round programs to develop pedagogical and leadership skills

Eligibility Criteria

- Possess a master's degree in mathematics/mathematics education or are ready to complete an M.S. in Mathematics.
- Support from your school and district administration to participate in leadership activities as a teacher
- Must be a US citizen or a permanent resident.

Commitments

- Commit to participate in this 5-year program and all leadership development activities.
- Lead professional development and/or curriculum development activities in your school or district site.
- Mentors 4 - 6 teachers from your site over five years.
- Agree to provide school data of your teaching and leadership activities.


Additional benefits

- Mentoring to become instructor for dual enrollment classes
- Mentoring to obtain national board certification, school site Lesson Study, and curriculum development.
- Mentoring to prepare presentations and travel funds to local and regional conferences
- Help to recruit new mathematics teachers and building teacher pathways
- Participate in regional and national network meetings

For further information on this program and to apply for scholarships, please visit our [website](#):

Program Contact:

Rajee Amarasinghe, Ph.D. Department of Mathematics ramarasi@csufresno.edu Phone: (559) 278-4136 or 278-2992	Department of Mathematics California State University, Fresno 5245 North Backer Ave. M/S PB108 Fresno, CA 93740-8001 Office Location: Peters Building, Rm. 381
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Project website



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Cohort 1 - Ready to join the Master's in Mathematics program in Fall 2023



Cohort 2 - Possess a Master's Degree in Mathematics or Mathematics Education



Questions:

Rajee Amarasinghe

email: ramarasi@mail.fresnostate.edu

Phone: (559) 278-4136 or (559) 278-2992

