

BOSTON
UNIVERSITY

NOYCE

SCHOLARS PROGRAM
in mathematics



Are you majoring in mathematics?
Do you enjoy working with young people?
Become a middle or high school mathematics teacher!

Noyce Scholars at Boston University receive:

- 100% tuition support
- A master's degree and initial teacher licensure
- Job-placement assistance

Help students achieve their potential!



Noyce Scholars commit to teach for at least two years
in a high-need district upon successful completion
of the teacher certification program.

Information:
www.bu.edu/education/noyce



Boston University's Noyce Scholars Programs

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Robert Noyce Scholarship Programs



- Boston University's Noyce Scholars Program in Mathematics, 2007-2013
 - Prepares middle school and high school mathematics teachers as **Noyce Scholars**
- Math for America Boston: Noyce Scholars Program, 2009-2015
 - Prepares middle school and high school mathematics teachers as **Teaching Fellows**
 - Supports experienced teachers as **Master Teachers** to assume leadership positions





Math for America Boston: Master Teachers



Candidates must:

- Have a master's degree in mathematics, mathematics education or related field
- Have a strong background in mathematics
- Teach in a high-need school or district
- Exhibit leadership or potential for leadership
- Receive support from school principal
- Enroll in an advanced graduate degree program
 - Certificate of Advanced Graduate Study (CAGS)
 - Master's in Mathematics for Teaching (MMT)



Master Teachers — Graduate Work



The CAGS and MMT programs includes:

- Immersion in Mathematics
- Coursework in Mathematics Education
 - Mathematics for Special Needs Students
 - Classroom-based Research
 - Teaching Calculus in the High School
 - Mathematics Curriculum: Issues and Trends
- Professional Development Courses/Field Study





Immersion in Mathematics



- Graduate-level courses in Number Theory through the *PROMYS for Teachers* program
- Five academic-year seminars that link higher level mathematics to the high school curriculum
- Opportunities to work in the *PfT* program in subsequent years as a Teaching Assistant



Leadership Development



- **Master Teachers**
 - Study how students learn with understanding and how to support teachers in teaching for understanding
 - Learn how to create quality professional development programs
 - Become experts in mathematics curriculum
 - Practice leadership through working with Noyce scholars and pre-service teachers



- +** ***Professional Development for Colleagues***
- ***Exponential and Logarithmic Functions***
 - ***Linking Representations of Functions***
 - ***Connecting Mental Math and Algebraic Thinking in the Elementary Grades***



Membership in Mathematical Communities



- Strong collaboration between the mathematics department and the mathematics education department
 - PROMYS for Teachers
 - Focus on Mathematics II (BU MSP Project)
 - STEP UP program
 - Upward Bound
- Partnership with Math for America
- Joint Activities
 - Seminars
 - After-school workshops
 - Monthly meetings
 - Social events



+ *Master Teachers Continue Teaching While Involved in a Variety of Leadership Activities*





A Sampling of Leadership Activities



- **School-based**
 - Led curriculum implementation efforts and/or curriculum alignment with CCSS
 - Presented PD sessions to teachers
 - Coordinated a school's first MATH EXHIBITION
 - Mentored first and second year teachers

- **Community-based**
 - Participated on State and National conference panels
 - Worked in BU's teacher preparation program preparing teachers
 - Wrote problems for the Illustrative Mathematics Project



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More
+ Information

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