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**National Science Foundation Award 1557255**

(Robert Noyce Award)

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The University of AZ Mathematics Department was awarded a Robert Noyce Award from the National Science Foundation for \$1,199,998 to increase the number of mathematics teachers graduating from the Secondary Mathematics Education Program (SMEP). Noyce AZ Mathematics Teaching (MaTh) offers a head-on response to the shortage of highly qualified mathematics teachers through multifaceted recruitment activities and by implementing a teacher preparation program that develops and strengthens prospective teachers' abilities to work with diverse students across Arizona and the rest of the nation. The program is characterized by involving a community of mathematics and mathematics education faculty, undergraduates, teachers, secondary math students and their families in a collective effort to prepare high-quality math teachers. While the program is designed for University of Arizona students to work with students from local school districts, it has the potential to become a model for other programs across the country; especially in the way prospective teachers interact with the local community and learn to incorporate their culture and language as educational assets.

AZ Math prepares secondary mathematics teachers with strong content and pedagogical knowledge as well as a deep understanding of cultural and linguistic aspects in the teaching and learning of mathematics to diverse students. The overall goals of the AZ Noyce MaTh Program are: (1) To promote secondary mathematics teaching as a viable and engaging career choice for talented undergraduate students in mathematics, and other science, technology, engineering and mathematics (STEM) related fields; (2) To recruit undergraduate students into the STEM teacher pipeline, with an emphasis on academic merit, and to increase the number of SMEP graduates in the Department of Mathematics; (3) To create a sustainable recruitment program for future mathematics teachers that includes significant and substantial experiences to work with middle and high school students; and (4) To enhance our Secondary Mathematics Education Program to prepare future mathematics teachers for excellence in teaching and working with ethnically and linguistically diverse students—in AZ and nationwide.