

STEMED - Science, Technology, Engineering, Mathematics: training, Entrepreneurship and Diversity

FY16 Request

FY15 Current Base:	New Request
FY 16 REQUEST:	\$475,000
FY16 FINAL Appropriation:	\$475,000

MAIN GOALS

- Increase the number and quality of the STEM workforce in New Mexico in critical areas to meet the workforce and economic development needs of the state;
- Recruit and educate a dynamic and inclusive student population in STEM across all stages of the K-20 educational pipeline, that will become New Mexico's leaders in STEM fields;
- Implement K-20 practices to enhance recruitment and retention of at-risk students;
- Enhance STEM competency of the general New Mexico workforce, making it competitive in local and global markets, and enhance it with business and entrepreneurial skills;
- Broaden the participation of traditionally underrepresented groups in STEM training;
- Establish a sustainable infrastructure for STEM engagement, training, and employment that builds on sharing resources among stakeholders in the school, academic, government and corporate domains.



MISSION

The aim of this request is to establish *STEMED* - a *Science, Technology, Engineering and Mathematics training, Entrepreneurship and Diversity* Program at NMSU. *STEMED* is designed to serve a broad state-wide K-20 audience and to meet state STEM workforce and entrepreneurial needs.

The mission of the NMSU *STEMED* program is to enhance the reach and quality of STEM education in New Mexico, with a predominant focus on the more fundamental technological and computational thinking skills. In particular, the program will emphasize the training of a diverse cadre of students competent in STEM disciplines, engaging traditionally underrepresented groups (i.e., women, students of Hispanic heritage).

The *STEMED* program will also serve as an engine to meet the state's STEM workforce and entrepreneurial needs for improved economic development of the New Mexico. The *STEMED* program will work with students, teachers, parents, faculty members, policymakers, corporate partners and the general public to create and support high quality curricula, STEM motivation and engagement, professional development and other activities, and share the resources and initiatives across the state.



