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Mathematics, Science, and Engineering at Hispanic Serving Institutions (HSIs): Recommendations for Better Serving Undergraduate Students.

The number of colleges and universities earning the designation of Hispanic Serving Institution (HSI) more than doubled between 2005 and 2016, and accounts for 15% of all non-profit, higher-education, degree-granting institutions. In 2017, in response to two Congressional Acts, the National Science Foundation (NSF) funded a total of 11 national conferences to inform the design & subsequent call for proposals of their new HSI Program. The University of Arizona, one of four initial awardees, held a working conference that brought together over 100 faculty, students, and administrators from 42 Southwestern HSIs, including 17 two-year HSIs and four Research I (R1) universities. In this talk we will describe six themes and 13 focus areas of recommended practices that emerged from the analysis of the Arizona conference transcripts, and illustrate how newer and emerging HSIs may begin to shape an institutional culture aimed at better serving the Hispanic students they admit, particularly in Mathematics, Engineering and Science. (Received September 18, 2018)